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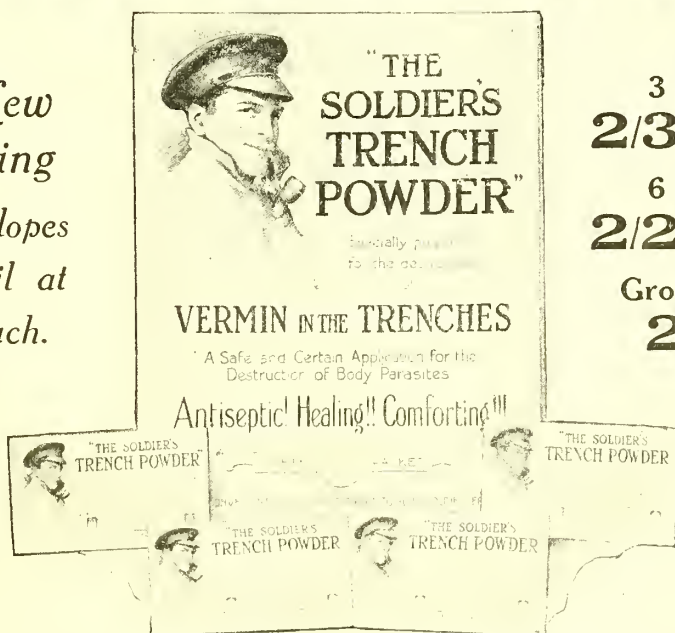
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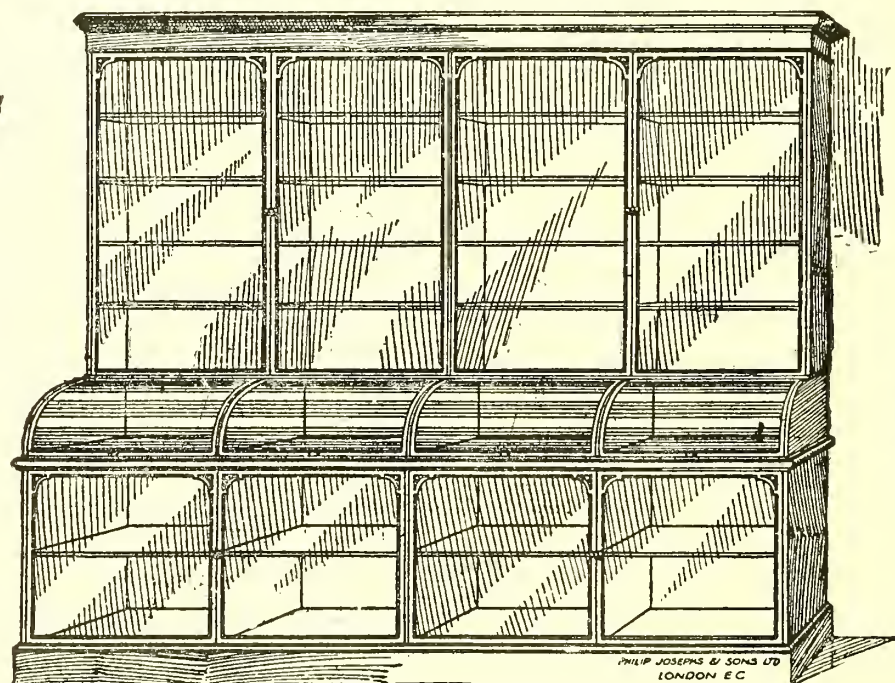
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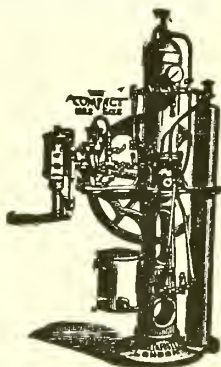
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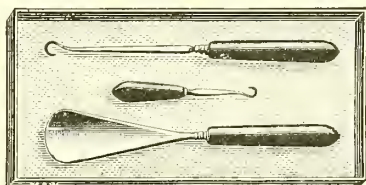
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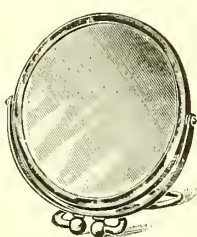
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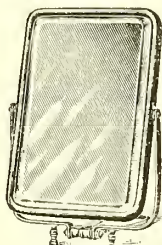
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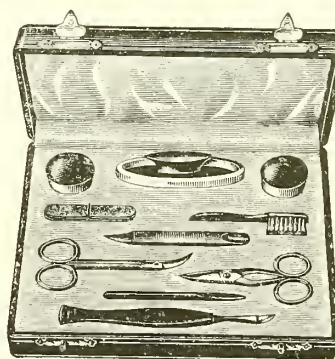


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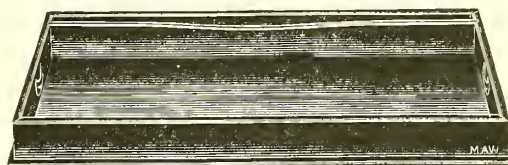
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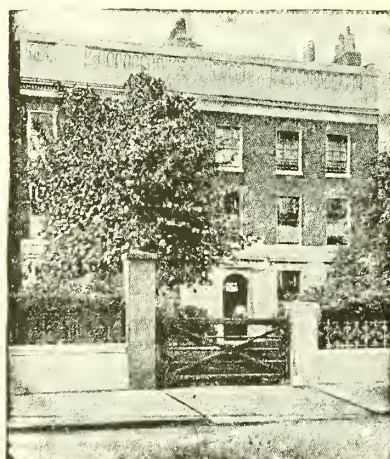
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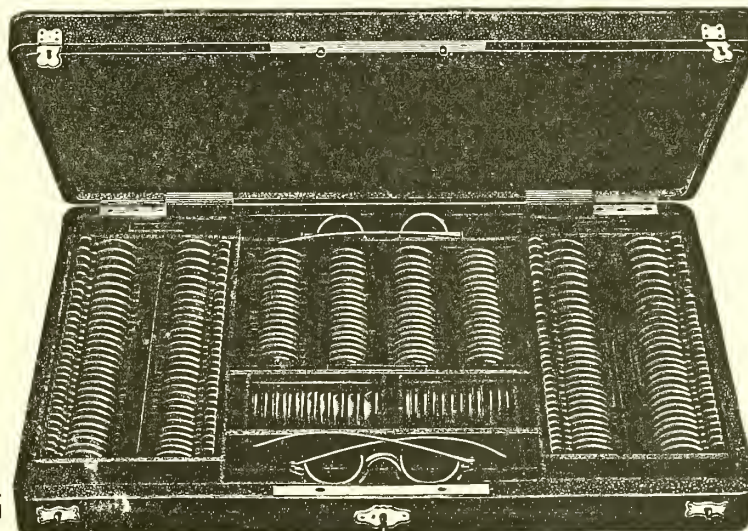
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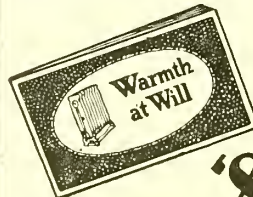
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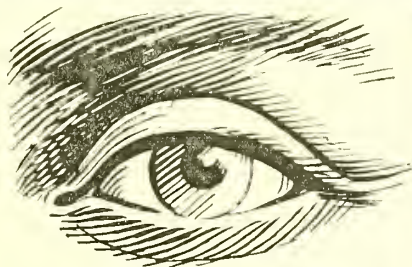
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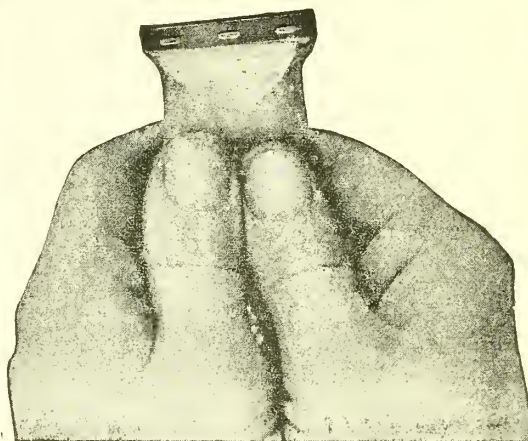
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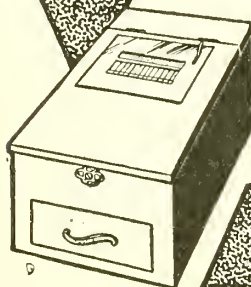
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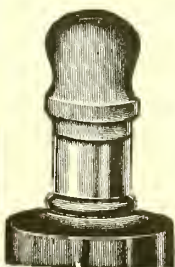
Finest qualities for Druggists,
Distillers and Confectioners.

Sole Consignees in United Kingdom—

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BOTTLE CAPS

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Essential Oils.

Manufacturers and Distillers of

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including

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Citronellol, Eugenol,
Geraniol, Geranylacetate,
&c.

Terpeneless Oil of Lemon,
Sesquiterpeneless
Oil of Lemon.

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& Co., Ltd..**

FIELD'S "SIANARA" Toilet Soap

With the Enchanting Perfume of OLD JAPAN.

AN ENTIRELY NEW LINE IN
ROUND BATH

To sell at 5d., 4½d., 3d., & 2d. per tablet.

Let us Quote you for your Proprietary Soaps.

J. C. & J. FIELD, Ltd., Toilet Soap Experts. **LONDON, S.E.**

Telegrams: "OZOKERIT, LAMB, LONDON." ESTABLISHED 1642.

Telephone: HOP 3905.

A powerful antiseptic and deodorant.

"PETAL DUST" REGD.

The greatest of all floral air-purifiers.

A concentrated combination of the choicest flowers, aromatic herbs and roots, with the rare spices and gums of Arabia. "PETAL DUST" has been the favourite perfume of all classes for over half a century and still commands the largest sale of any dried perfume in the world.

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TELEPHONE. EAST, 1808 (4 Lines).
TELEGRAMS: "SOAPERY BOCHURCH
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CABLE CODES A B C 4TH & 5TH Edition.
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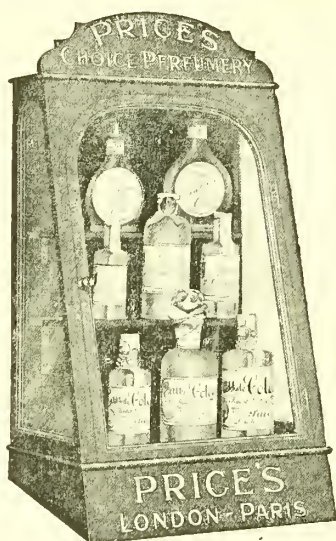
To the Chemists and Druggists
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Dear Sirs,

Our World famed Soaps and Disinfectants
are well known to you, but we also specialize
in Chemists' own name Soaps and would esteem
it a privilege to be of Service to you.

Yours truly,

EDWARD COOK & CO., LTD.



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The handsome mahogany case with plate glass shelves here illustrated in miniature will be supplied with an order for £3 worth, net, of

PRICE'S

Genuine London-made

Eau de Cologne

TRIPLE AND
EXTRA TRIPLE

Packed in the usual 2 oz. and 4 oz. bottles, and in corked and stoppered bottles containing $\frac{1}{4}$ lb., $\frac{1}{2}$ lb., and 1 lb.

This offer applies also to our
Perfumes in Bulk
and
Fancy Bottles

Price Lists on Application.

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FIBROUS PLASTICINE.

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by hundreds of our men in the firing line.

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Strongly advertised, and put up in attractive tin boxes to retail at 6d. and 1/-.
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SAMPLES.

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SAFETY RAZORS

: ENTIRELY :
BRITISH MADE.

SEVEN PATTERN FRAMES
MADE UP INTO
THIRTY-SIX VARIETIES

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— EACH. —

Write for Catalogue.

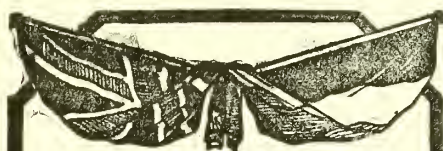
WILLIAM P. KELLAND,

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CAPSULES of
PHOSPHOGLYCERATE
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**THE BEST TONIC FOR
FORTIFYING AND BUILDING UP
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MORRHUOL CHAPOTEAUT



CAPSULES

MORRHUOL DE CHAPOTEAUT
is extracted from cod-liver oil, and
contains all its efficacious proper-
ties without the disagreeable taste.

*It cures Coughs, Bronchitis and Catarrh,
restores the appetite, and gives force to
feeble persons.*

SOLD BY ALL DRUGGISTS.

**CHANDRON'S
DROPS**

(Gouttes des Colonies)

**A harmless antiseptic
preventative against CHOLERA-
FERMENTATION - INDIGESTION
& other intestinal disturbances.**

SOLD BY ALL CHEMISTS



*I find the odour exquisite and
will be charmed to have it called
by my name. Very sincerely
Mary Garden*

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MARY
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We offer for sale—

Oil Peppermint, American	Oil Sassafras, Natural
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New Complexion Cream

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This cream is advertised in a novel manner, and very extensively. The public will want it, and it is bad business to send a customer to a rival shop for anything.

The profit on the retail sale is worth having—and you keep your customer.

Wholesale price, per dozen jars, 24/-

Retail price - - - per jar, 2/6

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Quality is the finest ever imported. Specific gravity .880/.890, which is alone recommended by the Medical profession for internal use. Lighter Oils do not have the same beneficial effect. We have just received direct from Russia a large consignment, which is probably the last and only shipment during the War. We also have technical white oils of various specific gravities.

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French Essential Oils and Raw Materials for
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Synthetic and Aromatic Chemicals and Specialities for
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(See Special Advertisement on page 21)

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Distilleries at { DOVADJOVA-HISSAR (Carlowa).
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AERATED WATER BOTTLES of all descriptions. Bottles for your own specialties. Send us samples (2 of each), quantities required, and we will quote you.

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Toogood's Packed Toilet Preparations in Collapsible Tubes.



2629



2667



2508



2509



2542



2452

No. 2629.	Toilet Lanoline	...	3 sizes	...	2/9, 3/9 and 5/6 per doz.
" 2667.	Boracic Ointment	...	2 "	...	3/- and 4/6 "
" 2508.	Cold Cream	...	...	...	3/6 "
" 2509.	Vanishing Cream	...	...	...	2/6 "
" 2542.	Shaving Cream	...	...	...	4/6 "
" 2452.	Solid Brillantine	6/- "

Customer's name free on 3 dozen of any one kind, and showcard supplied.

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SUPPLIED TO HER MAJESTY QUEEN MARY'S ROYAL NAVAL HOSPITAL
ALSO TO HER ROYAL HIGHNESS THE PRINCESS LOUISE'S HOSPITAL
THE ALLIES' HOSPITAL (Hôpital de l'Alliance), YVETOT, FRANCE
THE BRITISH RED CROSS SOCIETY'S HOSPITALS, etc.

*Unsurpassable reputation for
 genuineness. Never claims to
 do more than it can accomplish.*

*Over a quarter of a century
 of uninterrupted success as
 a specialised preparation.*

KUTNOW'S POWDER

For Liver, Kidneys & Bowels.

**THE FAMOUS BRITISH REMEDY
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THE POWDER—BOTTLES—CAPSULES—LABELS ALL MADE IN ENGLAND

It is on the P.A.T.A.
 It is well advertised
 It is very popular
 It is a good article
 It is never dead stock
 It yields a good profit
 It satisfies everybody



The Doctors prescribe it
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 The demand is constant
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**ORDER AT ONCE FROM
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— FREE OF CHARGE —

DOCTORS, NURSES & HOSPITALS

are invited to apply at once for special Physicians' Sample Bottles of Kutnow's Powder, for the use of the sick and wounded both at the front and at home. All applications will be dealt with promptly and supplies forwarded immediately, carriage paid. Applications to be made by letter, and should be marked

"HOSPITAL WAR SERVICE,"

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— SEND THIS COUPON —

To S. KUTNOW & CO., Ltd.,

41 Farringdon Road, London, E.C.

Please send me Showcards and Counter Bills, carriage paid.

NAME.....

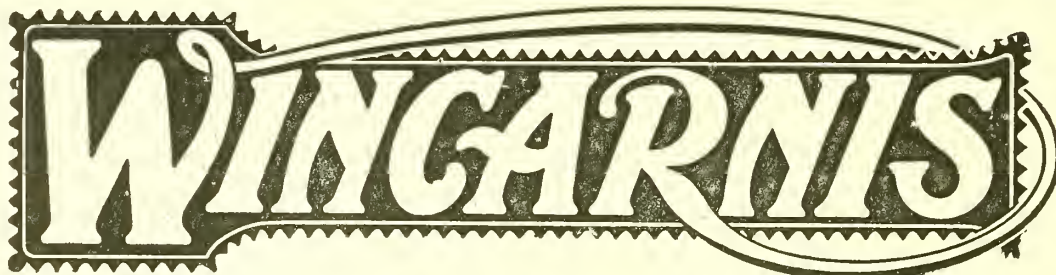
ADDRESS

"Chemist & Druggist," Nov 6, 1915.

Fill in, cut out, and post in open envelope, affix 1d. stamp.

S. KUTNOW & CO., LTD., Sole Proprietors,

41 Farringdon Road, London, E.C.



with Quinine
Requires NO license

when sold by Registered Chemists and Druggists.

The Excise Authorities and the Law say so!

On Saturday, July 4, 1914, the Recorder at the Bradford Quarter Sessions **ALLOWED AN APPEAL** by Mr. Oliver Hobson, manager to Messrs. Savage & Co., Ltd., Chemists, of 658 Manchester Road, Bradford, against the decision of the Bradford Justices who had previously fined Mr. Hobson £3, and costs, for selling Wincarnis with Quinine without a wine license. In allowing the appeal, with costs, the Recorder said that **the conviction was wrong.**

It is, therefore, an established fact that
NO LICENSE IS REQUIRED
 to sell
WINCARNIS with QUININE

Owing to the increase in Patent Medicine Stamp Duty, we have been compelled to make a slight advance in the prices of Wincarnis with Quinine.

**NEW
 PRICES**

TO THE TRADE.

Pints, now ... 25/- per doz.
 Quarts „ ... 40/- „

TO THE PUBLIC.

Pints now ... 2/6 per bottle.
 Quarts „ ... 4/- „

HOW IS YOUR STOCK?

COLEMAN & CO., Ltd., Wincarnis Works, NORWICH.

SAVE 3/- PER GALLON
BY BUYING
GUARANTEED GENUINE
NEWFOUNDLAND NON-FREEZING
MEDICINAL COD LIVER OIL
OF 1915 MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

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Kindly write for sample to

JOB BROS., Manufacturers, Tower Building, LIVERPOOL.

Telegraphic Address: "JOB LIVERPOOL."

Tel. 1039 CENTRAL.

And of ST. JOHN'S, N.F.

Established 1780.

Lysol

BRITISH
MADE AND
OWNED.

Messrs. CHAS. ZIMMERMANN & Co. (CHEM.), Ltd.

beg to announce that all orders for this product and Toilet Specialities will in future be executed direct from the Manufacturing Company—

LYSOL, LTD., Warton Road, **Stratford, E.**

TELEPHONE: EAST 892.



"AQUAPERIA"

A HARROGATE

APERIENT MINERAL WATER



Standardised and bottled by CAMWAL, Ltd.,
at their Spring at **HARROGATE**
in handsomely got-up 32-35 ounce Bottles
(supplied also through any other Camwal Factory).

**"Aquaperia" is an excellent and efficient
Aperient Water to supplant Foreign
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WHOLESALE PRICES:

7/-	PER DOZEN.	Delivered Free within our Van delivery areas from all Factories.
7/-	PER DOZEN.	Carriage Paid in England and Wales, if ordered with other goods (of a total weight of over 3 cwt.), or in 6 dozen lots.
7/6	PER DOZEN.	Carriage Paid in 2 dozen lots in England and Wales. Smaller quantities Carriage Forward.

Bottles included in the above prices, and allowed for at 1/- per dozen if
returned Carriage Paid to any of our Factories. Cases charged, and allowed
for on return.

OPENING ORDER FOR ONE DOZEN } Price **7/-**
Carriage Paid anywhere in England and Wales }

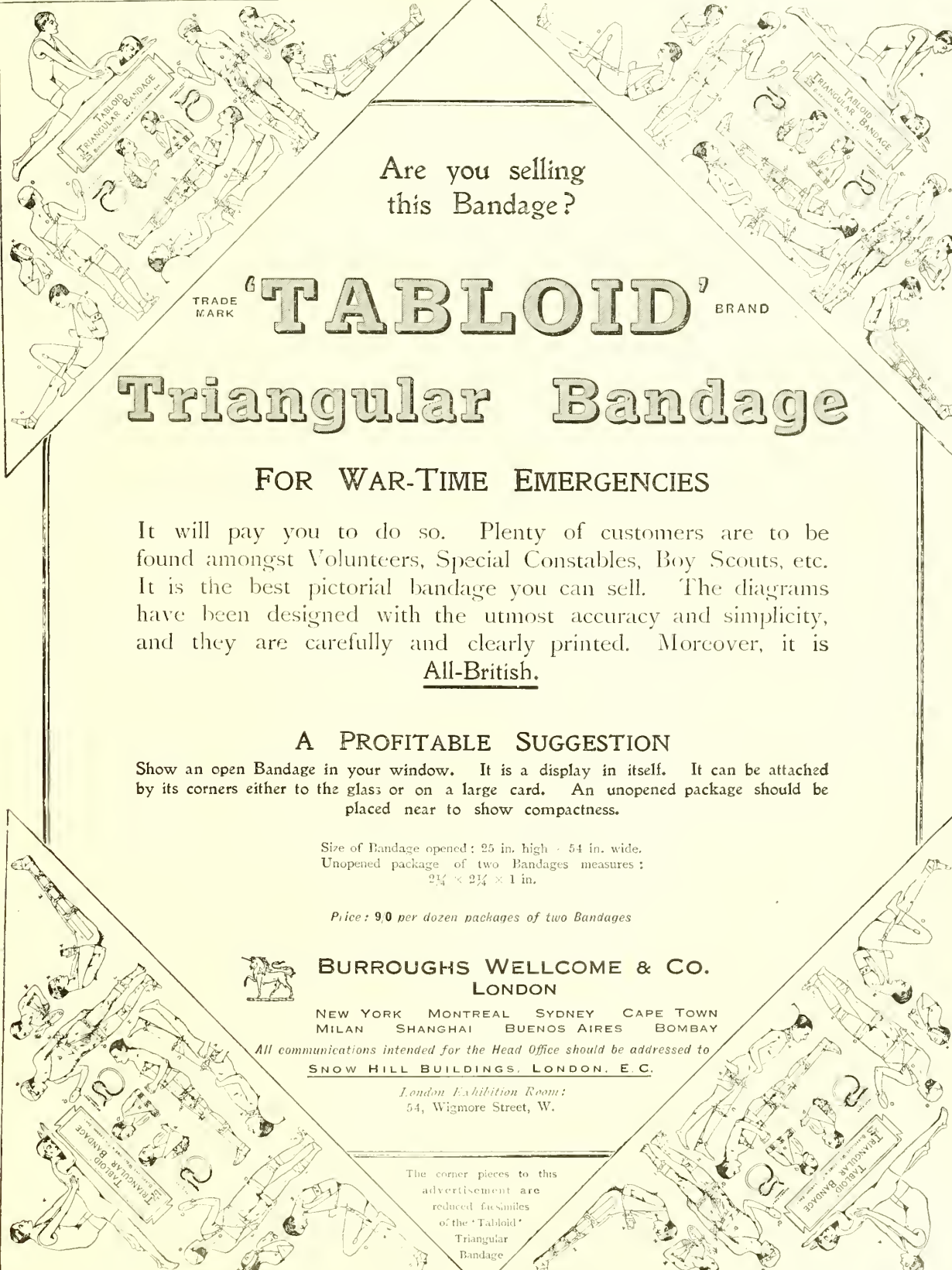
RETAIL PRICE - - 1/-	} per Bottle.
MINIMUM (P.A.T.A.) 11d.	

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Head Office :
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TRADE MARK **'TABLOID'** BRAND

Triangular Bandage

FOR WAR-TIME EMERGENCIES


It will pay you to do so. Plenty of customers are to be found amongst Volunteers, Special Constables, Boy Scouts, etc. It is the best pictorial bandage you can sell. The diagrams have been designed with the utmost accuracy and simplicity, and they are carefully and clearly printed. Moreover, it is All-British.

A PROFITABLE SUGGESTION

Show an open Bandage in your window. It is a display in itself. It can be attached by its corners either to the glass or on a large card. An unopened package should be placed near to show compactness.

Size of Bandage opened: 25 in. high - 54 in. wide.
Unopened package of two Bandages measures:
 $2\frac{1}{4} \times 2\frac{1}{4} \times 1$ in.

Price: 9/0 per dozen packages of two Bandages

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MILAN SHANGHAI BUENOS AIRES BOMBAY

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London Exhibition Room:
54, Wigmore Street, W.

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Winter Specialities

READY FOR
RETAIL.

EMULSION OF
COD LIVER OIL
(7 Styles)

EXTRACT OF MALT
WITH OR WITHOUT
COD LIVER OIL
(11 Styles)

FINEST COD LIVER OIL
(4 Styles)

EMULSION OF PETROLEUM
(3 Styles)

Write for season's quotations, and for specimens if desired.

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• Graham • St., • City • Rd., • London, • N



A Weekly Journal of Pharmacy and of the Chemical
and Drug Trades
ESTABLISHED 1859.

Head Office: 42 CANNON STREET, LONDON, E.C.
Telegrams: "Chemicus, Cannon, London." Telephone 3617 Central (three lines).
Branches: ADELAIDE, MELBOURNE, AND SYDNEY, AUST.

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See Coloured Supplement for other home and foreign news.

We call special attention to the article on quinine on p. 49, which explains why the alkaloid has gone up so much in price lately: but the Government has SUMMARY. now come to the rescue (p. 35). The English Insurance Commissioners have issued particulars of doctors' and chemists' agreements for 1916: these we present on p. 48 and p. 53, and several letters are on p. 63. Among legal matters is an important case about "oil of lemon, B.P.," which T. Tyrer & Co. won, with 975*l.* damages; another proves that Regulation 40 is useless (p. 41).

The "C. & D." Annual Subscription.

OWING to the changes in the newspaper postal rates, which came into force on Monday, November 1, the cost of delivering THE CHEMIST AND DRUGGIST has been much augmented, and it has become necessary to increase the annual subscription rate from 10*s.* to 12*s.* 6*d.* Changes of this nature are contemplated by the Post Office and Telegraph Act, 1915 (which creates the new rates), Section 2 (1) being as follows:

"Any contract for the supply or delivery to subscribers of newspapers, periodicals, or other publications at rates including postage, so far as the contract includes the supply or delivery of publications the rate of postage on which is increased after the passing of this Act, and before the first day of January, nineteen hundred and sixteen, may be determined by any party to the contract as from the date on which the rate is raised by notice given to the other party to the contract not later than fourteen days after the increase of rate takes effect."

Notwithstanding this provision, and that the postage on each issue will never be less than double the old rate, all that is proposed in the case of THE CHEMIST AND DRUGGIST is to charge the 12*s.* 6*d.* rate for all *new* subscriptions dating from December 1, 1915, and the same for new and renewal subscriptions dating from January 1, 1916, and thereafter. The increase of 2*s.* 6*d.* represents part only of the outlay incurred at this time, as it is not proposed to diminish the interest and utility of the C. & D., but to maintain it as a weekly publication of unimpaired value. Subscribers who receive from the Publisher notice that their subscriptions expire at the end of November are particularly requested to renew promptly, as our subscription department is exceptionally pressed with work at this season, and war conditions are increasing the work greatly.

European War.

A Year Ago To-day.

(War News in "C. & D." November 7, 1914.)

A state of war was declared to exist between Great Britain and Turkey as from November 5, and Cyprus was annexed by Great Britain. The Treasury issued a memorandum regarding doubtful points in the Trading with the Enemy Proclamation. The Comptroller-General declared that the word "lysol" is public property. The effect of the war on British chemical-industry was discussed at a meeting of the London Section of the Society of Chemical Industry. A correspondent suggested a method of counteracting the dishonest trade practices of Germans by means of guarantee labels issued by the Government.

Pharmaceutical Roll of Honour.

Non sibi sed patriæ.—CICERO.

FIFTY-NINTH LIST.

ANGUS, Private WILLIAM (lately apprentice with Mr. John Ritch, chemist, Keith), 5 6th Battalion Gordon Highlanders (T.F.). Private Angus has been missing since September 25.

BELL, Private JAMES (lately with Duncan, Flockhart & Co., Edinburgh), 2nd Battalion Gordon Highlanders. Private Bell is reported missing.

BRACEWELL, Lance-Corporal, Cross Hills, near Leeds. 6th Battalion West Riding Regiment. Lance-Corporal Bracewell is now in a military hospital in France suffering from a slight bullet-wound.

BRECHIN, Second-Lieutenant T. STEWART, chemist and druggist (lately manager of the Drug Department of Miller & Co. Kandy, Ceylon), 3/4th Battalion Gordon Highlanders. Mr. Brechin returned from the East to join the Army a year ago, and was recently in France as a corporal in the Royal Engineers. He returned from the Front a fortnight since to take up his commission.

BRENT, BERNARD A. (son of Mr. A. R. Brent, chemist, Horsham, Victoria, Australia, and formerly of Ashford, Kent), Australian Medical Corps, Australian Imperial Force.

HOLMES, R. (son of Mrs. Holmes, of G. A. Webster, chemist, Leeds), R.A.M.C.

LAVENNE, A. J. (lately with Boots Cash Chemists, Ltd., Guernsey), R.A.M.C.

MACKAY, Private J. W. (lately with W. Paterson & Sons, wholesale druggists, Aberdeen), Scots Guards. Private Mackay has been missing since September 27.

MIDGELEY, HARRY (lately with W. K. Harrison, chemist, Hyde Park Road, Leeds), R.A.M.C.

MOWSON, Second-Lieutenant BRUCE (lately apprentice with Donnington & Co., chemists, Spalding), 3/5th Lincolnshire Regiment.

NEALE, Second-Lieutenant H. (lately with Mr. J. R. Bentley, chemist, Kirkgate, Leeds), The Green Howards (from Inns of Court Officers' Training Corps).

RIDDELL, WALTER G. (lately with Mr. J. P. Sinclair, chemist, Gullane, Haddingtonshire), 5th Battalion Royal Scots (T.F.).

SALTER, CHARLES H. (lately with Goodall, Backhouse & Co., Leeds), R.A.M.C.

SLATER, Seaman GEORGE, chemist and druggist, Portnoe, Banffshire, Clyde Naval Division. Seaman Slater has been wounded at the Dardanelles.

WALKER, JOHN HAROLD (lately apprentice with Mr. Harold Lomax, chemist, Edge, Liverpool), R.A.M.C.

WOOD, ALEXANDER M., chemist and druggist (former apprentice with J. Baxter & Co., Grangemouth, and lately with Mr. W. G. Johnstone, chemist and druggist, Dumfries), R.A.M.C.

MR. J. G. ANNAL, Ph.C., Melksham, who is serving in the Devonshire Regiment at the Persian Gulf, was wounded in the recent fighting there. Mr. Annal, who is a former student of the Bath College of Pharmacy, went out in the 4th Battalion Somerset Light Infantry, but was subsequently attached to the Devonshire Regiment.

Quinine Exports Prohibited.

UNITED KINGDOM.—An Order in Council has been gazetted prohibiting the export of cinchona-bark, quinine and its salts to all destinations. The exportation of arrowroot, creosote and creosote oils (including blast-furnace oil) has been prohibited to all foreign countries in Europe and the Mediterranean and Black Seas other than France, Russia (except through Baltic ports), Italy, Spain, and Portugal.

The New Recruiting Scheme.

The Earl of Derby in a communication to the "Times" details the conditions by which the success of his recruiting scheme will be judged. He lays emphasis on the following points:

(1) An ideal recruiting campaign would get as many men to enlist under the voluntary system as would have to come under a compulsory system.

(2) It is the duty of every man in this crisis to offer his services to the State, and it is the duty of the State definitely to allot him his position either (a) in his Majesty's Forces; or (b) in munition works; or (c) in one of the indispensable industries of the country; or (d) as an indispensable person in a private business.

(3) Groups will be called up in their order—the younger unmarried men before the older, and all unmarried before any of the married men.

(4) Any man who has married since the date of registration will be placed in a group as if unmarried.

(5) Unless the young unmarried men come forward the voluntary scheme will not have succeeded, and other methods will have to be adopted. It is essential that faith should be kept with the patriotic men who do enlist.

His Lordship received on Tuesday a deputation representing the authorities interested in medical education and qualification as to the position of medical students, and his reply was: "It is the duty of medical students (other than those in the fourth and fifth years of study) to join his Majesty's Forces."

We have received this week a large number of requests from young men who want to "do their bit," asking in what capacity they may enlist in order that their pharmaceutical skill and knowledge may be utilised. We cannot undertake to advise in individual cases, but for general information we may say that the War Office does not want pharmacists as such, and the Royal Army Medical Corps is the only avenue that leads to pharmaceutical occupation. If these young men are willing to face the rough work that R.A.M.C. men have to do, that Corps is the one to join. What the country needs most, however, is men to fight.

Miscellaneous.

GIFTS FOR SOLDIERS.—Among the gifts dispatched by the Leeds Flag Day Committee to the locally raised units now serving abroad is a consignment of 1,000 draught-boards, the gift of Mr. W. P. Bowman, of Goodall, Backhouse & Co., Leeds.

BELGIAN DOCTORS' AND PHARMACISTS' RELIEF FUND.—Since the last list of subscribers was published the Grimsby Pharmacists' Association has contributed 3*l.* 17*s.*, collected by Mr. C. Dewing. Further subscriptions may be sent to Mr. W. J. Uglow Woolcock, 17 Bloomsbury Square, London, W.C.

SWISS DYES.—The German Government, it is said, has refused supplies of coal to the Swiss dye-makers, and the question has been taken up by the Swiss Government. The English authorities, who have recognized the value of the Swiss makers to dye-users in this country, are not likely to see the works brought to a standstill for lack of fuel.

A PHARMACIST IN WEST AFRICA.—Mr. J. H. Mather, Ph.C., Godalming, has received a letter from his former assistant, Sergeant L. Forrest, chemist and druggist, R.A.M.C., who is at a West African station, in which he tells of his journey up-country and an attack of malaria when he arrived. He was still suffering from the effects of this when he wrote. He adds:

There is no fighting here, worse luck, but we are here in case of "accidents." The hospital is a tin-roofed affair, with ten beds (much better than my quarters and those of the officers, which consist of a mud hut with a grass roof). At present I have three patients in hospital—a tropical ulcer, a bubo, and a fracture. The daily parade of sick is my day's entertainment now. They come with all sorts of funny diseases. I thought I would choke them off, so one day I made up a mixture of balsam copaiba, olive oil, castor oil, mist. alb., and tinct. card. co. I gave each patient half an ounce. They must have told their pals, for next morning they all turned up for more medicine. I have not yet struck one which they can't tackle. The nearest is mist. quinine.

NEWCASTLE CHEMISTS' AMBULANCE UNIT.—This recently formed unit of the St. John Ambulance Brigade is making good progress. New recruits are joining every week, and the members who have attended regularly will soon be ready to undertake transport duty at the railway stations and the military hospitals. It is expected that the chemists' unit will be represented in the transport party when the next convoy of wounded arrives en route for the Coxlodge Military Hospital. Superintendent C. A. Morton has proved a most energetic and painstaking instructor, and the members of the unit highly appreciate his services, and congratulate themselves on securing him as their leader.

Pharmacists and assistants or apprentices who desire to join the unit are invited to communicate with Superintendent C. A. Morton, 22 Ridley Villas, or with the Hon. Secretary, Mr. J. Elder, 21 Woisingham Road, Gosforth.

DRUG AND CHEMICAL MARKETS.—According to reports from Petrograd and Nijni-Novgorod the following prices were current at the end of September: Acetic acid (99 per cent.), 28 roubles per pood; ammonia, r.6; ammonium chloride, powdered, r.9.60, lump r.16.50; aspirin, r.75 per kilo.; bleaching-powder, r.8 per pood; bromides, from r.15 to r.17 per kilo.; camphor, r.4.50 per kilo.; carbolic acid, r.8 per pood; castor oil, from r.35 to r.40 per pood (imported from Italy); chrome-alum r.10 per pood; citric acid, r.150 per pood; codeine, r.900 per kilo.; copper sulphate, r.22 per pood; ferrous sulphate, from r.3 to r.3.50 per pood; formaldehyde, r.50 (imported from England); glycerin, r.22 per pood; guaiacol, r.35 per kilo.; hydrochloric acid, from r.5 to r.6 per pood; iodine and its derivatives, r.30 per kilo.; naphthalene, from r.10.50 to r.12 per pood; nitric acid, 28° Bé., from r.21 to r.22, 32° Bé., from r.25 to r.26 per pood, 40° Bé., from r.28 to r.32 per pood; oxalic acid, from r.42 to r.45 per pood; potassium bichromate, r.16 per pood; potassium carbonate, from r.5 to r.5.50 per pood; quinine, r.65 per kilo.; caustic soda, r.3.10, calcined, r.2.80 per pood; sodium sulphate, r.2.80 per pood; refined sulphur, r.18 per pood; sulphuric acid, from r.9 to r.12; tartaric acid, from r.83 to r.88 per pood; thiocol, r.80 per kilo.; turpentine, r.4.80 per pood; vaseline, r.35. [Rouble=2*s.* 1*d.* noni.; pood=36 lb.]

General Medical Council.

THE winter session of the General Medical Council was opened on November 2 at the offices of the Council, Oxford Street, London, W., Sir Donald MacAlister (President) presiding. The President, in his opening address, said that no change had actually taken place in the membership of the Council since last session. They had, however, received information that Sir Thomas Fraser is about to retire after ten years' service as representative of the University of Edinburgh. As Chairman of the Pharmacopœia Committee, the President mentioned that that body had been greatly strengthened by the fact that it included Sir Thomas among its pharmacologists. He (Sir Thomas) would carry with him the gratifying knowledge that the merits of the new Pharmacopœia, in whose preparation he bore a responsible part, are acknowledged at home and abroad, and that its adoption throughout the Empire is assured. It has already attained a circulation of some 25,000 copies. Sir Thomas Fraser's place will be taken by Professor Harvey Littlejohn, Dean of the Edinburgh Faculty of Medicine. Continuing, the President referred to the steps taken to avoid contested elections for vacancies on the Council, and mentioned other medical problems which had been occasioned by the war. Particularly he referred to the scarcity of medical men owing to the demands of military service. The prospects are dubious as to the future supply of persons duly qualified to fill the depleted ranks, but about 240 practitioners have been registered this year in the Colonial List and the Foreign List, and medical reciprocity has been established with Ontario and Saskatchewan which will have the effect of considerably increasing the number of Canadian practitioners on the Medical Register. Mention was then made of the steps taken to replace medical men in certain cases by surgical dressers or probationers, and to utilise more fully the services of certified midwives. The President was thanked for his address.

The name of Dhanpat Rai was erased from the Medical Register in accordance with the findings of the Executive Committee. The Council further directed that the names of James Morrison Orr and Thomas Francis Roche be restored to the Register.

On Wednesday, after the roll had been called, a photograph of the Council in session was taken as a record of the old Council Chamber in the premises 299 Oxford Street as it appeared on the occasion of the final session held therein. The outside of the premises was also photographed.

The penal cases were considered and as a result the names of Ulick Joseph Burke, E. L. M., R.C.P. Irel., L. L. M., R.C.S. Irel., and Edmund Lyall Haynes, L.S.A. Lond. 1888, M.R.C.S. Eng., L.R.C.P. Lond., were ordered to be erased from the Register.

The case of William Shaw, L.R.C.P. and L.R.C.S. Edin., who has been convicted on three occasions of drunkenness in the public street, was considered, but the Council postponed judgment until November 1916 in order to give accused an opportunity of redeeming his position.

English and Welsh News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Changes in Retail Prices.

Bradford Pharmacists' Association has issued the following list of minimum retail prices:

Acid. citric, 5*d.* per oz.; acid. tartaric, 2½*d.* per oz.; adeps lanæ hydros., 4*d.* per oz.; ammon. chlor. coml., 9*d.* per lb.; bismuth. carb., 1*s.* 6*d.* per oz.; cera flav., 2½*d.* per oz.; crem. tart., 2½*d.* per oz.; emulsio ol. morrhue, 1*s.* 3*d.* per 6 oz., 2*s.* 3*d.* per 12 oz.; ext. cascara liq., 3*d.* per oz.; ext. malt, 1*s.* per lb., 1*s.* 10*d.* per 2 lb.; ext. malt and oil, 1*s.* 3*d.* per lb., 2*s.* 3*d.* per 2 lb.; ferri ammon. cit., 6*d.* per oz.; ferri quiniæ cit., 3*d.* per dr.; glycerin, 2*d.* per oz. by weight; gly. ac. boric, 3*d.* per oz. by weight; gly. tannin, 4*d.* per oz. by weight; iodoform, 5*d.* per dr.; liq. hamamelid., 2*d.* per oz.; magnes. sulph., 1*d.* per oz. (medium crystal), 3½*d.* per 4 oz.; naphthalene, 1*s.* per lb.; ol. morrhue, 2*d.* per oz.; ol. oliuæ, 2*d.* per oz.; paraff. liq., 2*d.* per oz.; pot. bicarb., 2*d.* per oz.; pot. bromid. (and all other bromides), 1*s.* 6*d.* per oz.; pot. iodid., 4*d.* per dr.; pot. nitrat., 1*d.* per oz.; pot. permang., 4*d.* per oz.; quinin. sulph., 3*d.* per scruple; sod. hypophosph., 3½*d.* per lb.; sod. salicyl., 2*s.* per oz.; spt. æth. nit., 4½*d.* per oz.; spt. ammon. arom., 4*d.* per oz.; spt. chloroform., 5*d.* per oz.; succus glycyrrhiz., 1½*d.* per oz.; syr. hypophos. co., 3*d.* per oz.; syr. ferri phosph. co., 3*d.* per oz.; sulph. sublim., 1*d.* per oz.; tr. benz. co., 5*d.* per oz.; tr. camph. co., 4*d.* per oz.; tr. capsici, 4*d.* per oz.; tr. iodi, 6*d.* per oz.; tr. myrrh., 6*d.* per oz.; tr. opii, 6*d.* per oz.; tr. quin. amm., 4*d.* per oz.; tr. rhei, 4*d.* per oz.; tragacanth "A," 1*s.* 3*d.* per oz., "B," 10*d.* per oz.; ung. gallæ c. opio, 6*d.* per oz.; ung. methyl-sal., 6*d.* per oz.; ung. resorein. co., 8*d.* per oz.; vin. quiniæ, 1*s.* 6*d.* per reputed qt. Compressed tablets: Aspirin, 1*d.* each, 1*s.* 10*d.* per 25; ammon. quin., 9*d.* per 25; antipyrin, 2*s.* 3*d.* per 25; phenacetin, 2*s.* 3*d.* per 25; phenacetin co., 2*s.* 3*d.* per 25; saccharin, 1*s.* 1*d.* per 100, 2*s.* per 200.

A Brighton correspondent, writing on Wednesday, says in regard to patents: "There is a certain amount of discrepancy between chemists' charges yet, owing to varied increases not yet being noted. Where minimum retail price coincides with marked price is a decided advantage."

Contracts Confirmed.

Subjoined are particulars of contracts for drugs and allied products received during the week:

Helston Guardians.—Mr. Trestrail, Porthleven, drugs. Ross District Council.—Mr. J. H. Hart, Ph.C., McDougall's disinfectant (22*s.* per gal.).

Twickenham Urban District Council.—Mr. A. Feather, chemist and druggist, Twickenham, 240 gal. disinfectant fluid (1*s.* 2*d.* per gal.).

Birmingham.

The Technical School authorities announce that arrangements have been made for opening a class for instruction in the making of artificial limbs, provided a reasonable number of applications is received from intending students.

Opticians' establishments are increasing in this city with almost mushroom-like growth. There are now within a stone's throw of each other half-a-dozen such establishments in the most heavily rented and rated area in the city.

The railway companies are abolishing the "mark" system of addressing packages, owing to the confusion it causes. The new rule that each package must bear the name and full address of the consignee is said to be very inconvenient. The Board of Trade has been asked by Walsall traders to intervene, but have declined to do so, thinking no useful purpose will be served.

An important step has been taken by a well-known firm of pharmacists in the centre of the city (Bellamy & Wakefield), who announced in the local Press and on the closed doors on Wednesday afternoon that, owing to the loss of four of their assistants, the establishment would be closed entirely on Wednesday afternoon each week for the present, and no dispensing of prescriptions would be undertaken on that afternoon.

Cheltenham Spa Revival.

The anniversary of the Cheltenham Spa development scheme was celebrated on October 29 by a reception and meeting at the Town Hall. The Mayor and Mayoress received the visitors, who included medical men and the leading county residents. At the meeting which followed Earl St. Aldwyn presided, and in his speech pointed out that he could not conceive that any self-respecting Englishman would ever again take up his residence voluntarily in Germany. Dr. Arthur Latham, who was unable to be present, sent a communication in which he laid stress on the natural advantages possessed by Cheltenham as a health-resort. Sir James Goodhart regarded Cheltenham waters as an almost unique asset. Mr. J. T. Agg-Gardner, M.P., said the spa should be supported on national grounds. It was mentioned also that during the last four months of the season there were about 14,000 drinkers at the spa, against 3,500 for the same period of 1914. Mr. Harold Miller, director of the United Chemists' Association, Ltd., took a large share in the organising of the function.

Liverpool.

Buyers of patent medicines indulge in not more than mild grumbling at the increased charges for stamps.

Dr. James Pearson has been chosen by the Bootle Town Council as Mayor-elect of that county-borough. He was Mayor in 1907-8, and has resolved to serve again without the salary of 500*l.*

The Lancashire Tuberculosis Committee have obtained War Office sanction for the erection of the High Carley Sanatorium, and propose to borrow 6,500*l.* for its completion. The Committee also intend to spend 185*l.* for equipping a branch dispensary at Darwen.

Mr. Edwin Thompson (Thompson & Capper, Ltd.) is being co-opted a member of the City Council, as a Conservative representative of Abercromby Ward, in succession to Mr. Edward Lawrence, son of the late Sir Edward Lawrence. Mr. Thompson has been for several years governing director of the private limited company which he formed to absorb a business which dates from 1798. Founded by Mr. Thompson's great-grandfather as Thomas Thompson & Son, the firm in the natural course of time passed into the hands of Mr. George Thompson (the son), who in 1849 received Mr. Capper as a partner. Mr. I. C. Thompson, of the next generation, was a director for many years, until his decease in 1903, when Mr. Edwin Thompson (his son), who had been a partner since 1898, became the head. The chief business of the company is that of manufacturing and wholesale chemists, but they have retail branches in Liverpool, Manchester, Birkenhead, Southport, Sheffield, Huddersfield, Bradford, and Leeds. At the headquarters, Manesty Buildings, College Lane, Liverpool, the most notable feature at present is the importation and sale of pharmaceutical machinery from the United States. Mr. E. Thompson hopes to bring about the establishment of works for the production of this machinery in England. He will be the first manufacturing pharmacist to enter the City Council. He is himself a qualified pharmacist and a member of the Liverpool Conservative Club and of the University Club. He will have as a pharmaceutical colleague Mr. R. C. Herman, who has been the sole representative of the trade.

Miscellaneous.

THE MEDICATED-WINE LICENCE of the late Henry Gibbs, chemist and druggist, Berkhamsted, has been transferred to Mr. Mills, his successor.

THE FIRM of J. T. Smith & Son, chemists and druggists, Radcliffe, Manchester, celebrated their jubilee on October 29. Mr. T. A. Smith, chemist and druggist, is the present proprietor.

MR. F. B. WIDE, Southampton, is closing his Carlton Pharmacy from 1.15 to 2.15 p.m. daily without affecting business adversely, but solving difficulties due to shortage of qualified assistance.

FEWER DEATHS WITH ETHER.—Dr. Bernard Spilsbury stated at an inquest in London on Wednesday that a large decrease in the number of deaths under an anæsthetic was due to the more extensive use of ether.

MEDALLIONS to perpetuate the memory of Sir Joseph Hooker, Lord Lister, and Dr. Russel Wallace have been placed on the wall of the north aisle of the choir of Westminster Abbey, and were uncovered on November 1.

BRIGHT LIGHTS.—At Highgate, on October 27, Thomas E. Savage, chemist, 30 The Broadway, Crouch End, London, N., was fined 3*l.*, with 6*s.* costs, for not sufficiently obscuring the lights in the window of his shop on October 7.

POOR-LAW DISPENSING.—Uckfield (Sussex) Guardians have considered a proposal that the Guardians should in future supply all drugs and dressings needed for the workhouse, instead of requiring the medical officer to supply them. It was resolved to inquire how other Boards of Guardians deal with the matter.

NOXIOUS-MIXTURE CHARGE.—At Marylebone Police Court on October 29, George W. Bowerman, of Tate's Drug-stores, Prince of Wales Road, Kentish Town, was committed for trial on a summons charging him with supplying to a woman, now deceased, noxious mixture (*C. & D.*, October 16, p. 36). Bail was allowed.

POISONING CASES.—Two of the three poisoning cases reported during the week were due to misadventure, the poisons implicated being solution of ammonia and arsenic acid. The latter was used in mistake for application to a skin-eruption by an assistant in the Marlborough Training College, Marlborough Street, Dublin. A hop-picker died at Holt Fleet, near Worcester, from the effects of an unknown poison.

EARLY CLOSING.—The chemists at Sutton (Surrey) announce that until further notice they will close their pharmacies daily at 8 p.m., Saturdays excepted.—A petition asking the Hull Corporation to make a compulsory order for the closing of pharmacies on Mondays, Tuesdays, Wednesdays, and Fridays at 8 p.m., Thursdays at 1 p.m., and Saturdays at 10 p.m., is being circulated for signature by local chemists.

ILLEGAL EXPORTATION OF DRUGS.—At East Ham Police Court on November 2, W. Duff & Son, Ltd., Cannon Street, E.C., were fined 20*l.*, and 5*l.* costs, for sending prohibited goods to the Royal Albert Dock. From the evidence it appeared that the company had an order for acetylsalicylic acid and phenacetin for China, but a permit for exporting was refused. A clerk in the shipping department nevertheless endeavoured to ship the goods.

A BOGUS DOCTOR.—At North London Police Court on October 30, Henry John Herring, who described himself as a chemist, was committed for trial on a charge of giving a false certificate relating to the death of a woman in Islington. The accused had personated Edward K. Herring, M.R.C.S., M.R.C.P., West Maitland, N.S.W., and had filled several situations as *locum tenens* to doctors. Sir Alfred Pearce Gould, who is acquainted with Dr. E. K. Herring, testified that the prisoner was not he.

EXPORTATION OF OPIUM.—At the Mansion House Police Court, London, on October 30, before Sir Thos. Crosby, Bart., M.D., Yaboh Alexandrovitch Stainer, a Russian subject, of Petherton Road, Canonbury, was charged with unlawfully exporting opium, contrary to the Customs Consolidation Act, 1875. Albert Hall, officer of Customs and Excise, said the previous day he saw the accused at the Customs House, and showed him five despatch notes relating to opium that had been sent by parcel-post to Northern Manchuria on dates in January and February last. Accused admitted that he had signed the notes, but not in his own name, and said he had declared the parcels to contain extract of malt. In a written statement prisoner admitted what he had done. He said he had received a letter from his brother abroad asking him to send out, among other things, iodine, quinine, samples of extract of malt, etc., and he put in the parcels a few pieces of opium, not knowing it was prohibited. Accused was remanded for inquiries.

THE DYE-INDUSTRY.—Dr. F. Mollwo Perkin lectured at Bradford on October 23, before the West Riding Section of the Society of Dyers and Colourists, on the future prospects of the British dye-industry. He suggested that a protective duty should be imposed on dyes imported from Germany, and that the export of raw materials to Germany should be prohibited. After the war there will be large surpluses of nitric and sulphuric acids, phenol, benzol, and toluol. The acids would certainly be low in price, but it is doubtful whether phenol, benzol, and toluol will drop to pre-war prices. Picric acid should be cheap, and it is used in making sulphur dyes. *Alpha* and *beta* naphthol would be manufactured in this country, and should be able to withstand German competition; the same, he thought, would apply to salicylic acid. It would not be desirable to manufacture synthetic indigo at present, but the Government should require all blue uniforms to be dyed with natural indigo for a period of years and prohibit the use of

synthetic indigo. The lecturer further suggested that the many explosives and munition factories which would be disused after the war should be converted into dye-factories.

BLACKMAIL CHARGE.—At the Central Criminal Court, London, on November 1, before Sir Albert Bosanquet (Common Serjeant), Hans Paul Studer (29) was sentenced to three years' penal servitude for demanding 250*l.*, with menaces, from Mr. Frederick Schutze, Caledonian Market, London, N. The case was first heard at Bow Street Police Court on June 24, and at the former hearing at the Central Criminal Court the jury disagreed (*C. & D.*, September 18, p. 39). The trial on the present occasion lasted for six days, Mr. R. D. Muir and Mr. Frampton prosecuting and Mr. Cyril Hayes defending. Studer had entered Mr. Schutze's employment in 1912 as a correspondence clerk at 30*s.* a week, and at the time of his arrest was receiving 360*l.* a year and a bonus. In summing up the case to the jury, the Common Serjeant said that before May of this year it had been ascertained that some person or persons were making charges against Mr. Schutze of alleged trading with the enemy. It was evident that the charges were made by persons having an intimate knowledge of Mr. Schutze's business, and were supported by means of bogus telegrams. There could be no doubt that there was intent to blackmail Mr. Schutze and induce him to part with 250*l.* under the threat of exposure. It did not matter in the least whether the supposed charges were true or false if there was an attempt to get money by blackmail. It was a question for the jury whether they were satisfied that it was the prisoner who was responsible for concocting the bogus telegrams and other documents with the view of terrifying the prosecutor and inducing him to part with money. The essence of the crime was the making of a charge, whether true or false, in order to levy blackmail. The jury found the prisoner guilty, and before sentence was passed Mr. Muir said that investigation of the prisoner's accounts showed that he had appropriated to his own use 600*l.* belonging to Mr. Schutze. He suggested that an order for his deportation should be made on the ground that he was a German, which prisoner denied, and the Common Serjeant said he would not make the recommendation; that was a matter for the Home Office, and not his business. In passing sentence, his Lordship told the prisoner that he had been guilty of a very serious offence and had carried out his scheme by a series of frauds and forgeries, and had gone the length of suggesting that the police might be influenced by bribery.

Irish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

A good portrait of Mr. James Tate, the new President of the Pharmaceutical Society of Ireland, was printed in the "Belfast Evening Telegraph" of October 28.

The contractors who supplied white-lead to the Cork Harbour Board, which the analyst has stated contains foreign matter (*C. & D.*, October 30, p. 38), have asked the Board to suspend judgment pending an investigation of the matter.

The Dromore West Board of Guardians have received from R. Sumner & Co., drug-contractors, a claim for 4*l.* 10*s.* in respect of unreturned empties. The medical officers have been asked to give an explanation of the non-return of the empties referred to.

Staff-Sergeant George M. C. Gernon, who served his apprenticeship in the pharmacy of the late Mr. S. R. Henry, The Diamond, Monaghan, paid a brief visit to the town last week. He emigrated some time ago to Canada, where he enlisted in the Expeditionary Force.

On the morning of October 23, shortly after three o'clock, a fire broke out at the rear of the premises of Mr. John A. Woodside, Ph.C., Church Street, Ballymena. The fire was confined to a shed, and was quickly extinguished by the local brigade. The damage is not covered by insurance.

An inquest was held at Larne, co. Antrim, on October 29, relative to the death of John Johnston, who had been found lying dead in the street, with a bottle of methylated spirit beside him. Medical evidence showed that death was due to syncope brought on by drinking the spirit, and the jury returned a verdict accordingly.

The movement among Irish analysts to increase their fees for analysing drugs continues to embarrass the various Boards of Guardians. The Dundalk Guardians refuse to increase the analyst's salary from 10*l.* to 21*l.* The Thurles Guardians are met with a demand for increase from their analyst, and when this was refused received the analyst's resignation. The Cork Guardians have decided to defer an increase to the analyst until after the war.

Scottish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

Mr. David Murray, M.P.S., lately with Pinkerton & Gibson, Edinburgh, has joined the drug staff of Ayrton, Saunders & Co., Ltd., wholesale druggists, Liverpool.

It was stated at a meeting of the Aberdeen Burgh Insurance Committee on October 27 that the drug question looks as if it is going to be worse this year than in 1913.

Dundee.

The police have been calling on chemists to ask if there has been any increased demand for methylated spirit owing to recent restrictions on the sale of whisky. Some chemists were able to reply that while the demand had increased, the sales had not, as they refused to supply doubtful customers.

Mr. J. Rutherford Hill, Edinburgh, was present at the Conference of the Scottish Association of Insurance Committees held in Dundee on October 30. The following resolution, moved by Bailie Sinclair (Falkirk), and seconded by Mr. Wishart, was carried:

That, the Scottish panel chemists having intimated that on financial grounds they cannot accept as the basis of agreements for 1916 the Drug Tariff passed by the Departmental Committee, and that, owing to the abnormal war conditions, they are prepared meantime to defer their request for the abolition of discounting and the adjustment of dispensing-fees and to maintain the *status quo*, this meeting is of opinion that this offer is reasonable and ought to be accepted.

Dr. McVail, one of the Insurance Commissioners, was present, and, speaking on the Executive Committee's report on the Drug Fund, said:

"The special admonition to be addressed to Committees at the present time had reference to the Drug Fund. The price of one drug had increased 1,000 per cent., and some were becoming very difficult to get."

Mr. Joseph Johnston (Renfrew), in moving the adoption of the report, said that the establishment of the Central Checking Bureau in Glasgow had been fully justified by results. He added:

"The Executive Committee had set up opposition to the attempt by the Joint Committee to form a Commercial Tariff and pool the surplus Drug Funds of Scotland. They had urged at headquarters in London that Scotland should be left to work out her own salvation. The chemists were quite satisfied with the present conditions. The efforts of the Checking Bureau would effect such economies that there would be no discounting necessary in the near future. One thing wanted was one uniform wholesale list of drugs and appliances. There are, he said, at present eleven or twelve different lists throughout Scotland. No list lends itself to so much abuse as the emergency list, and in numerous cases doctors go far beyond its limits. A limited list of proprietary medicines and preparations should be allowed. In the interests of economy these patent medicines ought to be allowed only to a very limited extent. Repeats should be abolished. There is no greater iniquity than these; they are almost impossible to check, and, besides, are a great evil and fraught with danger to the patient, who is prevented from exercising choice of chemists. Repeats also led to extravagant prescribing and slovenly and inadequate treatment."

Edinburgh.

Business has considerably improved with the colder weather.

Teats of all kinds, especially the soothing variety, are very scarce. Quite possibly some patriot has bought up existing stocks of the dummy sort—to pacify the pessimists.

Fife.

At a meeting of Kirkealdy chemists held last week, it was unanimously resolved to support the attitude of the Pharmaceutical Standing Committee (Scotland) as to the new Tariff proposals.

Considerable trouble has been caused to panel chemists by the carelessness of doctors in not filling in addresses properly, with the result that "forms" may be disallowed under the heading "insufficiently addressed."

Glasgow and the West.

Principal James McCall, F.R.C.V.S., of the Glasgow Veterinary College, who died on Sunday, aged eighty-one, was as a lad in a lawyer's office, and then went to Pickfords, the carriers, where his knowledge of horses was founded.

In the Glasgow Art Galleries, Kelvingrove, are to be seen at present some very interesting exhibits of chemical industry, so arranged that one may trace the stages from the crude substance to the manufactured article. Sulphur, paraffin, tallow, soda, and various other products are dealt with.

St. George's Co-operative Society have opened a second drug department. The new branch is situated in Mansfield Street, Partick. Mr. Robert Dickson, M.P.S., D.B.O.A., is manager of the St. George's Road branch, where the sales amounted to 403*l.* in the July-September quarter, and the Mansfield Street branch did 230*l.*

Australasian News.

"The Chemist and Druggist" is supplied weekly to all the members of eight Chemists' Societies in Australia and New Zealand.

The Commonwealth.

YACCA GUM.—The Minister for Defence, in answer to a question in the Federal Senate, stated that it was true that yacca gum, from which picric acid can be derived, had been exported from Australia to Germany in varying quantities for some years previous to the outbreak of war. The heaviest shipments were made in 1910, when 30,915 cwt. was exported. Since the commencement of the war, with the concurrence of the Imperial Government, shipments have been permitted to the United States.

New South Wales.

MEDICINAL PLANT CULTIVATION.—The cultivation of medicinal plants in Australia was discussed at the monthly meeting of the Royal Society of New South Wales on September 1, Mr. J. H. Maiden, F.L.S., being the first speaker. The essence of his remarks was that the question of cultivating drug-plants on a scale to make the industry remunerative had been considered by competent authorities in various parts of the world, and for the most part it had been concluded that without cheap labour and favourable climatic conditions the industry would prove unremunerative. At the present time labour and capital in Australia could be more profitably employed.

New Zealand.

SUGAR-OF-MILK DUTY WANTED.—On September 3 the Government was asked to consider the placing of a duty on imported sugar of milk. The manager of the factory at Edendale supplied the information that Holland is the only competitor now that Germany is out of the way. The imports from Holland before the war were very small, now these have reached some two hundred cases a week. Dutch and German milk-sugar makers work in agreement, and the German milk-sugar industry was protected by a tariff of 40*l.* per ton. If a duty of 1½*d.* a lb. were granted the New Zealand factory would undertake to reduce last year's price of 9½*d.* to 9*d.* per lb.

Victoria.

TRADING WITH THE ENEMY.—Frederick Makin, 8 Burke Road, Balwyn, Victoria, and William Street, Melbourne, who had been convicted on June 8 on a charge of having attempted to trade with the Badische Anilin und Soda-fabrik, of Ludwigshafen-on-Rhine, were on September 21 fined 25*l.*, with five guineas costs.

ASPIRIN TRADE-MARK.—A licence has been granted by the Attorney-General to Messrs. H. W. Shmith and G. R. R. Nicholas to use the "Aspirin" trade-mark. A condition of the licence is that the drug shall comply strictly with the requirements of the British Pharmacopoeia, and that the conditions of manufacture and price at which it shall be vended shall be satisfactory to the Attorney-General. (See *C. & D.*, August 23, p. 46.)

ENEMY GOODS.—On September 10 the Minister of Customs stated that inquiries are being made with reference to a shipment of "Laxatine" landed by Mr. Julius Blau after his visit to America, which bore labels purporting that the goods had been made in England. He was asked if he knew that pharmacists in Sydney had been invited to exchange their old stocks of "Laxatine" for new stocks, and that the new stocks bore labels with the enemy trade-mark and the words "Made in England" printed thereon. Also that one of his officers recently steamed off one of these "Made in England" labels and found the original enemy label underneath it, and what steps he proposed to take to terminate the fraud. [This does not refer to Ferris's "Laxatin."]

Quinine Imports and Exports.

THE following figures represent the imports, exports, and re-exports of quinine and quinine salts into and from the United Kingdom from 1910 to 1914 inclusive, together with the sources from which drawn and the destinations, as shown by the Annual Statement of Trade:

From	1910	1911	1912	1913	1914
	Oz.	Oz.	Oz.	Oz.	Oz.
Germany	536,266	426,444	591,876	908,986	427,423
Netherlands	1,543,593	1,617,516	1,527,698	1,009,970	1,087,772
Java	1,083,602	1,226,194	915,468	390,400	246,650
France	14,742	16,914	100	—	2,784
Other foreign countries	6,792	2,480	28,752	113,588	103,806
Total from foreign countries	3,184,995	3,289,548	3,063,894	2,422,944	1,868,435
Total from British Possessions	—	2,412	—	—	80
Total	3,184,995	3,291,960	3,063,894	2,422,944	1,868,515
	£90,711	£98,056	£95,366	£102,102	£102,410

Exports declared as "British" make:

To	1910	1911	1912	1913	1914
	Oz.	Oz.	Oz.	Oz.	Oz.
Turkey	21,246	53,816	89,005	99,062	89,067
China (excl. of Hong-Kong, Macao)	84,808	139,965	92,350	71,564	52,960
Other foreign countries	146,881	115,482	127,120	157,586	214,407
Total to foreign countries	252,935	309,263	308,475	328,212	356,434
British India, <i>via</i>					
Bombay	227,161	143,721	149,338	146,123	156,370
Madras	2,564	380,331	5,400	9,815	4,955
Bengal	521,154	625,790	438,153	499,137	573,418
Eastern Bengal and Assam	53,623	16,613	9,860	—	—
Burma	10,887	23,399	13,462	40,940	11,348
Ceylon and dependencies	109,958	126,292	244,308	90,271	116,668
Australia	47,772	41,532	43,116	58,750	63,485
Other British Possessions	134,728	172,911	224,362	201,080	195,025
Total British Possessions	1,107,847	1,530,589	1,127,999	1,046,116	1,121,269
Total	1,360,782	1,839,852	1,436,474	1,374,328	1,477,703
	£56,806	£75,005	£67,671	£72,642	£91,415

Exports declared as "foreign" make:

To	1910	1911	1912	1913	1914
	Oz.	Oz.	Oz.	Oz.	Oz.
Germany	—	228	4,300	24,000	375
Switzerland	39,600	54,000	30,000	24,000	4,000
United States	13,008	20,400	—	14,188	30,170
Other foreign countries	66,770	30,424	5,800	—	—
Total foreign countries	119,378	105,052	40,100	62,188	34,545
British India	54,666	75,964	671,600	216,142	23,323
Other British Possessions	10,234	29,817	23,009	27,261	24,997
Total to British Possessions	64,900	105,781	694,609	243,403	48,320
Total	184,278	210,605	730,409	305,591	82,865
	£4,972	£5,722	£25,571	£11,768	£4,676

Legal Reports.

Trade Law.

Nux Vomica Beans. In the City of London Court, before Judge Rentoul, K.C., on November 2, Vos Kessler & Joensson, Ltd., 91 Bishopsgate, sued Campion Innes & Co., Ltd., 58 Hatton Garden, to recover 13*l.* under an agreement contained in certain letters which passed between the plaintiffs' solicitors and the defendants' solicitors in a High Court action respecting the sale of nux vomica beans. After the action had been on for some time the defendants agreed to pay 75*l.* damages, and costs amounting to 13*l.* They paid 75*l.*, but not the 13*l.* After hearing evidence his Honour gave judgment for the plaintiffs for 13*l.*, and costs, but the defendants would have an opportunity of applying within fourteen days for a new trial if they thought fit.

Aliens Restriction Act, 1914. — At Bradford (West-Riding) Court on October 23, Adolf Jaffé, F.C.S., partner in the firm of Richardson & Jaffé, analysts, Bradford, pleaded not guilty to a charge under this Act of being an alien enemy and failing to register. The defendant (for whom Mr. W. J. Waugh, K.C., appeared) was the son of the late Rev. Philip Jaffé, a Frenchman, who came to this country at the age of fourteen, and was naturalised in 1854, having become a Congregational minister. He married an English lady, and in 1857 was sent to Germany as a Protestant missionary by the Society for the Propagation of the Gospel among the Jews. The defendant was born at Nuremberg in 1875, and upon the death of his father in 1887 came to England, and was educated in Bradford, getting his scientific training at the Technical School there. He had always considered himself to be a British subject, had been ten years in the Yeomanry, and when he was asked by the police to register himself as an alien he declined, saying that he was "absolutely British," also that he would fight the case, as he considered himself to be "British to the core." These proceedings were accordingly taken by the local authorities, and Mr. W. E. Farmer (from the Solicitor's Department, County Hall, Wakefield), who prosecuted, explained, in opening the case, that the Lord Chief Justice and Justices Darling and Lush on July 31 decided a case which, he contended, was absolutely on all-fours with the present one, and the Court in an unequivocal decision held that people in a position similar to that of the defendant are not British subjects. Mr. Waugh remarked that it was only because of the doubt as to his being a British subject that the defendant was there that day. The Magistrates retired for a short time, and upon their return the Chairman (Dr. W. H. Ellis) stated that the case would be adjourned, in order to allow application to be made to the Home Secretary to exercise his discretion to grant a certificate, and defendant was allowed bail in his own recognisances in the sum of 20*l.*

Spurious Steedman's Powders.—At Tottenham Police Court, London, on October 29, Geo. A. Gower, Angel Road, Edmonton, was summoned, under the Merchandise Marks Act, 1887, at the instigation of John Steedman & Co., proprietors of Steedman's soothing-powders, Walworth Road, S.E., for unlawfully applying a false trade-description to a powder reasonably calculated to mislead persons to believe that the same was the manufacture of the complainants. There were ten summonses in all—five for the application of the false trade-description, and five for selling the articles to which it was applied. Mr. A. H. Bodkin, who appeared for the prosecution, said on October 21 Detective-Inspector Davis searched defendant's small shop, and found nearly 3,000 labels printed in imitation of the prosecutors' "Steedman's Soothing-powders," and a number marked "Stedman's Teething-powders." Powders in these wrappers had been purchased under the impression that they were made by the Walworth firm. Some years ago complainants found the defendant doing exactly the same thing while at Manor Park, and, after a caution, he wrote an apology and a promise not to sell imitation powders again. On that occasion he said he got the powder in bulk from a firm in Goldsmith's Row. There was on the packets sold on that occasion a statement that the powder was prepared by "J. H. Steedman"; on those now under notice they were stated to be prepared by "G. H. Steedman." Prosecutors never sold powder in bulk to be packed by other people. A number of witnesses were called in support of counsel's statement, including Mr. J. A. South, manager of the prosecuting company, who examined the powders purchased by some of the witnesses and denied that they were of the quality sold by prosecutors. Defendant said he was very sorry

For what he had done, and pleaded for leniency, on the ground of poverty. The Magistrates informed defendant that he had rendered himself liable to a fine of 200*l.*, and inflicted a fine of 50*s.* on the first summons for applying a false trade-description, and on the other four, for a like offence, 10*s.* each. They also imposed a fine of 50*s.* on the first of the five summonses for selling an article with the false trade-description upon it, and 10*s.* on each of the other four summonses, with two guineas costs.

High Court Cases.

Unless when otherwise stated these cases have been heard in the High Court of Justice, London.

OIL OF LEMON, B.P.

A dispute concerning a contract to supply oil of lemon in accordance with the British Pharmacopœia, involving a suggestion of "faked oil," came before Mr. Justice Sankey and a City of London special jury in the Commercial Court of the King's Bench Division on Monday, November 1, when the case came up for hearing, upon the defendants' counterclaim, of Felton & Crepin *v.* Thos. Tyrer & Co., Ltd. Mr. Pollock, K.C., and Mr. Douglas Hogg appeared for the plaintiffs, and Mr. Lewis Thomas, K.C., and Mr. Givreen were for Tyrer & Co. The plaintiffs sued for 75*l.* for goods sold to defendants. Defendants admitted the claim, subject to their counterclaim against Felton & Crepin for 1,658*l.* damages for breach of contract to supply oil of lemon, the suggestion being that there was a breach of warranty. The breach of warranty was denied. The case was carried over into Tuesday, when a decision was given for the defendants on the counterclaim.

Mr. Lewis Thomas said the sole question was whether the contract by which the defendants bought "2,500 lb. of oil of lemon, B.P. quality, new-crop oil, 6*s.* per lb. less 2½ per cent., to be delivered as required in 1913," from the plaintiffs was properly carried out by Felton & Crepin, and if the latter were liable to pay damages for a breach of that contract. In October 1911 there was a contract for the supply to defendants by the plaintiffs of 2,500 lb. of oil of lemon, to be delivered in 1912; then on July 23, 1912, there was the contract now in dispute. The defendants bought the oil in order to resell to Stuart Bros., of Niagara Falls, Canada, who made a claim for damages which went to arbitration. The contract was for pure natural oil of lemon, and in order to be of guaranteed B.P. quality it had to be pure, and not mixed with something else; it had to be obtained from fresh lemon-peel, have sp. gr. 0.857-0.860, and pass a certain optical rotation. The case for his clients was that the oil was not pure. When defendants complained the plaintiffs said they did not sell the oil as pure natural lemon oil, but as "oil of lemon, B.P. quality, as per last contract." Mr. Thomas contended that oil of lemon B.P. quality must be pure natural lemon oil. The price of this went up to 18*s.* 6*d.* on the market, and as the contract price was 6*s.* per lb. they based their claim for damages on the difference of 12*s.* 6*d.* per lb.

Mr. Thos. Tyrer, F.I.C., F.C.S., gave evidence, formally proving the contract and the facts stated by counsel. In the arbitration between his company and Stuart Bros. an award was made in favour of Stuart Bros. In cross-examination witness stated that his firm had done considerable business with Felton & Crepin.

They are a firm of high standing like your own?—We deal with respectable people. (Laughter.)

Witness admitted that there was an arrangement with Stuart Bros. by which if he now recovered damages some money was to be paid to them. He regarded the B.P. quality as the best quality, although oils might be priced higher than B.P. quality.

Mr. Thos. Tucker, secretary of T. Tyrer & Co., admitted in cross-examination that in a catalogue of Boake, Roberts & Co., Stratford, was an oil of lemon at 1*s.* above B.P. quality.

Mr. E. J. Parry, B.Sc., F.I.C., F.C.S., deposed that "new-crop oil" meant oil arriving in London in January each year. Witness deposed to the requirements of the oil in the British Pharmacopœia, 1893, which Mr. Thomas read, and witness stated that although the sample of the contract oil sent to him passed the mechanical tests, it was not "pure lemon oil" as required by the Pharmacopœia, but a substance that had been "standardised down" to meet the figures of the test. The oil referred to as being 1*s.* above the price of B.P. quality was made from selected lemons, which meant that fruits with specks, etc., were put aside so as to get the finest aroma possible. This sample had had added to it some hydrocarbons, which took

away the aromatic flavour, and to restore the mixture to the analytical figures lemongrass citral was often used.

Mr. Pollock cross-examined witness, who admitted that the word "pure" does not occur in the B.P. monograph, but it says the oil is to be obtained from fresh lemon-peel.

Mr. Justice Sankey: If this had been so obtained would it have contained the hydrocarbons that you found?—No; it would have been richer in natural flavouring-ingredients than it was.

Mr. J. C. Umney, F.C.S., also gave evidence as to the results of an analysis of this oil. He said he was also of opinion that an oil of lemon could only pass the standard of the British Pharmacopœia when derived from fresh lemon-peel.

Mr. Thomas: Suppose you take an oil and you get the required specific gravity, and the rotatory effect of the polarised light is 59°, does that mean that the substance is pure lemon oil?—No.

What do you say is the first requisite to answer the description of the British Pharmacopœia?—That it is prepared from fresh lemon-peel and is without foreign substances.

Mr. W. R. Pattisson, of R. Morrison & Co., deposed that B.P. oil of lemon is known in the trade as the natural oil of lemon, and is a good deal more valuable than a faked or adulterated article.

Mr. Pollock, K.C., was opening the reply of Felton & Crepin when the hearing was adjourned to Tuesday, November 2. On resuming,

Mr. Roland Dumin was the first witness called for plaintiffs, for whom he acts as manager of the essence department. The oil supplied to T. Tyrer & Co., Ltd., under both contracts, was obtained from Knight & Co. He personally saw samples of the oil, and was satisfied that they were satisfactory. Apart from B.P. oil he understood there was a specially selected oil priced at about 1*s.* per lb. above B.P. oil. He thought the oil supplied conformed to the contract.

Mr. Thomas: Is there a lot of "faking" of oil?—Not that I know of.

Is it not essential, to comply with B.P. requirements, that you must have a pure oil? Yes or no, please?—I don't know.

Mr. Justice Sankey put the same question to the witness, who eventually retorted, "I suppose it is."

Later witness said he knew the oil supplied was a standardised oil.

At the close of Mr. Dumin's re-examination Mr. Pollock, K.C., said that his clients would be very reluctant to fight an issue on which they were wrong. They had placed themselves in his hands, and he was not going to contend that this was oil in accordance with the contract. That would have a necessary result, but whatever the result Felton & Crepin wished to place themselves right with the Judge and jury.

Mr. Justice Sankey: A very honourable course to take. The jury have heard that your clients are old-established, and they have heard this last gentleman, who is a half-commission agent. I say no more.

Mr. Lewis Thomas said that if the other side were prepared to pay the difference due that was one thing, but he objected to a speech at this stage.

Mr. Pollock: Then it only becomes a question of damages.

Mr. Pollock called Mr. P. Samuelson, Mincing Lane, merchant and agent dealing in essential oils, who deposed that this oil was worth 10 per cent. less than the market value of selected oil.

Mr. Pollock, in his speech to the jury, said that nobody regretted the breach of contract more than Messrs. Felton & Crepin. Their knowledge was not complete at the time they took the action they did. Tyrer & Co. had kept the oil supplied, and the only matter for the jury was the difference in value.

Mr. Justice Sankey told the jury that they would have to decide what was the value of the article Felton & Crepin ought to have delivered, and what was the value of the article they in fact delivered, as the difference would represent the true measure of damages. It appeared to him that the all-round difference was about 6*s.*, though he did not suggest that this was exact.

The jury after a short retirement found in favour of Tyrer & Co. They awarded total damages 975*l.*, finding the difference in value 6*s.* in February and March and 9*s.* later. Judgment accordingly on the counter-claim for Tyrer & Co. for 975*l.* less 75*l.* 17*s.* 2*d.*, the amount of the admitted claim of Felton & Crepin.

DOCTOR STUES INSURANCE COMMITTEE.

In the King's Bench Division, before Mr. Justice Rowlatt, on November 3, Mr. Charles William Moore, a panel doctor, of St. Annes-on-Sea, and formerly practising at

Leicester, asked for an injunction restraining the Borough of Leicester Insurance Committee from surcharging him with 31/ 7s., part of a deficiency in the Drug Fund. Mr. Gore Browne, K.C., on behalf of the plaintiff, explained that under Article 40 of the Medical Benefit Regulations the Pharmaceutical Committee in 1914 found that there had been excessive prescribing by panel doctors. A conference was held between that Committee and the Panel Committee, and as a result the Insurance Committee decided to transfer 200/ from the Medical Benefit Fund to the Drug Fund because of the doctors' alleged extravagant prescriptions. The question then arose as to how they were to allocate it. It was subsequently decided to take a list of the panel doctors and impose a levy on the doctor whose prescriptions exceeded the average, and thus make up the 200/ which was transferred to the Drug Fund. The Insurance Committee thereupon deducted 31/ 7s. from the plaintiff's remuneration. Mr. Gore Browne argued that Article 40 was *ultra vires* and void. Mr. Clavell Salter, K.C., replied for the Insurance Committee. His Lordship, in granting the injunction, with costs, assumed that Article 40 was *intra vires* and valid, but he was not sure that the defendants had acted in accordance with that regulation. It did not appear to him that the Pharmaceutical Committee had ever made a representation to the Panel Committee that the "cost of the supply of drugs was in excess of what might reasonably be necessary for the adequate treatment" of patients. All that was asked was that cases where doctors had ordered an amount of drugs above the average should be investigated. Further, the Panel Committee, in their report to the Insurance Committee, did not arrive at any finding that there had been extravagance on the part of any practitioner in the drugs ordered by him. They simply said that there was a deficit in the Drug Fund, and recommended the Insurance Committee to make it up by the imposition of a surcharge. That was not a "report" within the meaning of the regulation. The fact that they adopted a system of average seemed conclusive that they had never addressed themselves to the question of extravagance; because one doctor's order for drugs was greater than the average did not prove that that doctor was extravagant. No report had been made to the plaintiff under the regulation dealing with the alleged extravagance, therefore the plaintiff was entitled to the injunction.

Limited Companies.

New Companies Registered.

P.C. means Private Company and R.O. Registered Office.

CHEMICAL CONVERSION CO., LTD. (P.C.).—Capital 10,000/., Acting Secretary: C. E. Warren. R.O., 62-63 Queen Street, E.C.

FLU-MAL, LTD. (P.C.).—Capital 20,000/. Objects: To carry on the business of manufacturers of patent medicines, drugs, pills, etc. The subscribers are E. L. Miller and F. H. M. Winstanley, agent, 31 Charing Cross, S.W.

A. H. SIMPKINS, LTD. (P.C.).—Capital 4,000/. Objects: To take over the business of A. H. Simpkins, manufacturing chemist, etc., Victoria Works, Hoe Street, Walthamstow. The first directors are A. H. Simpkins, A. J. Simpkins, and P. J. Simpkins.

J. H. PARKINSON, LTD. (P.C.).—Capital 100/. Objects: To carry on the business of extractors and adaptors of artificial teeth, chemists, druggists, etc. The first directors are J. H. Radcliffe and Mrs. E. B. Radcliffe. R.O., 132 Great Jackson Street, Hulme, Manchester.

FASSETT & JOHNSON, LTD. (P.C.).—Capital 75,000/. Objects: To carry on the business of manufacturers of and dealers in pharmaceutical and medicinal preparations, etc., and to adopt an agreement with L. O. Johnson. The signatories are L. O. Johnson, merchant, and T. McKenna, solicitor. The first directors are L. O. Johnson (permanent governing director and chairman) and others to be appointed by the signatories. Solicitors: McKenna & Co., 31-34 Basinghall Street, E.C.

SOCIETY OF CHEMICAL INDUSTRY, BASLE.—The report shows a net profit of 101,896/., against 73,920/. It is proposed to pay 16 per cent., against 6 per cent. Stocks are valued at 95,000/., only, against 272,000/., in the previous year, due to the demand for dyestuffs being so brisk that virtually no stocks are now held. The Clayton Aniline Co., Manchester, which is controlled by the Basle concern, is stated to have been very well occupied throughout the year, and the financial results have quite come up to expectations. A holding has been acquired in the Swiss Soda-works, Zurzach—a company formed for the manufacture of soda-ash and caustic soda.

Births.

Authenticated notices are inserted without charge.

HICKS.—At 3 St. Mary Abbots Terrace, Kensington, London, W., on October 29, the wife of Frederick J. Hicks, chemist and druggist, of a son.

JAMES.—At 5 Promenade, Cheltenham, on October 26, the wife of Clarence H. James, chemist and druggist, of a son.

KELSEY.—At 81 High Street, Smethwick, on October 31, the wife of William Kelsey, chemist and druggist, of a son.

Marriages.

Authenticated notices are inserted without charge.

HEWTON-THOMPSON.—At Fisherwick Presbyterian Church, on October 27, John Hewton, Ph.C., Ormeau Road, Belfast, to Jeanie, daughter of the late Alexander Thompson and Mrs. Thompson, 55 Donegall Pass, Belfast.

OSMOND-BENNETT.—At St. Paul's Church, Durban, Natal, on September 30, Richard R. Osmond, chemist and druggist, Durban, late of Portsmouth, to Adèle E. Bennett, Guildford, Surrey.

PARKINSON-WILKINSON.—At All Saints' Church, Kirk Hallam, on October 28, Sidney William Parkinson, chemist and druggist, to Edith, youngest daughter of Mr. W. Wilkinson, The Poplars, Kirk Hallam, Ilkeston.

Deaths.

Authenticated notices are inserted without charge.

BLACKALL.—At Newcastle, N.S.W., on September 26, Mr. William Blackall, chemist and dentist, aged seventy-four. Mr. Blackall was born in London, and was taken to Sydney when a boy. He was apprenticed to pharmacy, and also took up dentistry. After being in business as a pharmacist for many years at Newcastle, N.S.W., he had, since 1912, carried on a dental practice exclusively.

CLUTTERBUCK.—At Weston-super-Mare, on October 30, Mr. Charles Clutterbuck, chemist and druggist, managing director of Lewis Wing, Ltd., chemists, Weston-super-Mare, aged forty-seven. Mr. Clutterbuck was proceeding from the Boulevard Pharmacy of his company to the Regent Street and Walliscote Road Pharmacies when he was taken ill and he died at his residence the same evening from an apoplectic seizure. Mrs. Clutterbuck and three children survive him.

EYNON.—At Shortlands, Willes Road, Leamington Spa, recently, Mr. David Jenkins Eynon, chemist and druggist, aged seventy-three. Mr. Eynon was in business in Leamington for twenty years, and retired in 1890.

LAIDLAW.—At Warren House, Hayes, Kent, on November 3, Sir Robert Laidlaw, J.P., aged fifty-nine. He was Chairman of Whiteaway, Laidlaw & Co., Calcutta and London, who are the largest "universal providers" in the East, their business including chemical and pharmaceutical products. Sir Robert spent most of his business life in the East, but came home about a dozen years ago and sat in Parliament from 1906 to 1910 as Liberal member for East Renfrewshire. He was knighted in 1909.

NOSWORTHY.—At 6 Crescent Lane, Clapham Park, London, S.W., on October 31, Mr. Robert Nosworthy, Ph.C., late of 236 Clapham Road, London, aged eighty-one.

ROBISON.—At Murwillumbah, N.S.W., on September 13, Cyril Robison, aged fourteen. He was the second son of Mr. E. Robison, chemist and druggist (G.B.), Murwillumbah, who went out to New South Wales in 1903. The boy was accidentally shot by a companion while out on a shooting expedition.

ROBSON.—At 22 Spencer Street, Carlisle, on October 28, Mr. John Robson, chemist and druggist, aged seventy-one. Mr. Robson passed the Modified examination in 1869, and carried on business at 26 Scotch Street, Carlisle, for over forty years. He took a keen interest in the political, municipal, and general affairs of the city, and he was one of the founders of the Carlisle and County Amateur Photographic Society. He was himself an enthusiastic amateur photographer, and was one of the foremost exponents of the art in the country. Local chemists were represented at the funeral by Messrs. J. Sharp, Ph.C. (Mr. Robson's successor in business), R. Hallaway, Ph.D., Ph.C., and J. J. Robinson, chemist and druggist.

WILLIAMS.—At 2 Herbert Road, Wimbledon, London, S.W., on October 7, Mr. James Williams, chemist and druggist, aged seventy-six.

Killed in Action.

MILLS.—At Loos, France, on October 7, Private William J. Mills, son of Mr. Harry Mills, chemists' shopfitter, 165 Old Street, London, E.C.



PRIVATE MILLS.

Young Mills was in the machine-gun section of the 2nd Battalion of the Middlesex Regiment, popularly known as "The Diehards." He was one of three brothers who were serving the country at this time, Sergeant Alfred Mills being in the R.A.M.C., and Mr. Harry Mills, the designer, who assists his father in the business, is an active member of the V.T.C.

HAY.—In France, on September 25, Private John Hay, 9th Battalion Royal Highlanders (Black Watch), aged twenty. Private Hay was apprenticed to Mr. J. A. Small, chemist and druggist, 13 Comely Bank Road, Edinburgh, and was with him when he enlisted in March.

Wills.

THE late Joseph Michael Day, LL.D., a director of Cantrell & Cochrane, Ltd., left unsettled personal estate in the United Kingdom valued at 3,600*l.* 14*s.* 3*d.*, of which 1,854*l.* 15*s.* 5*d.* is in England.

MR. JAMES ROBERT HAYES, chemist and druggist, South Wootton and King's Lynn, who died intestate on August 22, left estate of the gross value of 8,747*l.* 11*s.* 8*d.*, of which 1,876*l.* 17*s.* 3*d.* is net personalty.

LUNAN.—An inventory of the estate of the late Lieutenant G. H. Lunan, M.B., Ch.B., of the R.A.M.C. (elder son of Mr. George Lunan, F.C.S., Edinburgh), has been lodged in the Commissary Office, Edinburgh, and amounts to 1,294*l.* 18*s.* 3*d.*

THE late Mr. Joseph Baldwin Jones, chemist, Pwllheli, Carnarvon, left estate of the gross value of 3,111*l.* 3*s.*, of which 1,131*l.* 19*s.* 3*d.* is net personalty. He left 30*l.* to his assistant, John Thomas Williams; 5*l.* each to his apprentice, Robert John Jones, and his housekeeper, Mrs. Walters; besides bequests to relatives.

MR. CHARLES WHEELER FIELD, governing director of C. W. Field, Ltd., distillers of essential oils, etc., Cambrian Mills, Liverpool, who died at Harrogate on August 23, aged sixty-two years, left estate of the gross value of 40,059*l.* 14*s.* 7*d.*, of which 37,933*l.* 1*s.* 3*d.* is net personalty. Among bequests other than to relatives are: 60*l.* per annum to William Stockdale Longford if in the service of C. W. Field, Ltd., at his death, and payable whilst he shall not be connected with any firm competing with the said business; 150*l.* to Samuel Jones, 200*l.* to A. Coulson, 100*l.* to R. Barry Johns, 100*l.* to Ernest Hall, 50*l.* to Mrs. Calvert, 25*l.* to J. Kenyon, 25*l.* to R. Clements, 25*l.* to R. Goodwin, 100*l.* to J. W. Richardson, and 25*l.* to E. Kenyon, if respectively in the service of C. W. Field, Ltd., at his death; 25*l.* per annum to his employé John Hamson; and the ultimate residue of his estate is given in equal shares to the Royal Infirmary and the Infirmary for Children, Liverpool.

Business Changes.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

MR. E. S. HOLMES, chemist and druggist, has acquired the business of Tamplin & Son, Eden Street, Kingston-on-Thames.

MR. HARRY HEYMAN has removed from Thornton Chambers, Town Hall Square, Bradford, to 5 Union Street, Bradford.

MR. W. SMEDDLES, who has been manager for Wilsons, Ltd., Harrogate, at their West Park branch for many years, has left them to join the staff of Boots, Ltd.

WAITE & CHAMBERS, chemists, Suffolk Lawn, Cheltenham, have moved to Regent House, 21 and 22 Montpellier Walk (facing the Montpellier Gardens), where extensive alterations have been carried out.

Trade Notes.

A FREE MAHOGANY SHOWCASE is offered by Price's, Battersea, London, S.W., on conditions mentioned in their advertisement.

"SAVARS" HOT-WATER BOTTLES are of British manufacture. This is a point which is emphasised in the advertisement of Evans Sons Lescher & Webb, Ltd., Liverpool and London.

COLLIS BROWNE'S CHLORODYNE.—The revised prices of Dr. J. Collis Browne's Chlorodyne are given in the advertisement of J. T. Davenport, Ltd., 117 Union Street, London, S.E. These are rearranged in accordance with the increased stamp duties on patent medicines.

COLLAPSIBLE TUBES.—Jules Lang & Son, Charlton Works, Charlton Place, Islington, London, N., can supply metal collapsible tubes for toilet-creams and dentifrices. The supply has been obtained from a neutral country, and quotations can be made for quantities.

FREDERICK STEARNS & Co., Detroit, Mich., U.S.A. send us a copy of their price-list of zymolo specialities, diamond preparations, buyers' imprint lines with possessive titles, non-secret packed products, perfumes and toilet requisites, specialities, pharmaceuticals, and digestive ferments. This is the sixtieth year of the business.

KOLYNOS, INCORPORATED, 43 and 44 Shoe Lane, London, E.C., inform us that the wholesale prices of Kolynos cream and Kolynos liquid will be advanced 18*s.* per gross from November 8, that representing the increased stamp-duty. Retailers will note that this means that the minimum price will be 1*s.* 1½*d.*

CHRISTMAS LIST.—R. Hovenden & Sons, Ltd., 29 to 33 Berners Street, Oxford Street, London, W., have issued a list of novelties and specialities for Christmas trade which can be had on application. The list contains, in addition to toilet articles and perfumes, a selection of novelties in watches, jewellery, leather-goods, pipes, cigars, and cigarettes.

KAY'S LINSEED-COMPOUND.—Kay Bros., Ltd., Stockport, in their announcement in this issue, give a revised list of prices for "Linseed-compound." This tabulates the advertised prices, minimum retail price, minimum wholesale price, and price to wholesale dealers. It is mentioned also that the "Family Reference and First-aid Book" for 1916 is now in active preparation.

FLETCHERS' LIQUORS.—As a means of reducing the cost of production of proprietary remedies in which hitherto spirituous preparations have been employed attention is called to the utility of Fletcher's concentrated liquors. Fletcher, Fletcher & Co., Ltd., Vibrona Laboratories, Holloway, London, N., will answer any inquiries and offer practical suggestions as to the adaptation of these liquors for new purposes.

IEXOL SHAVING-STICK.—We refer again to this shaving-stick, for which the agents are Thomas Christy & Co., 4 to 12 Old Swan Lane, London, E.C., on account of the new window show-bills which are now being issued. These are bound to attract the attention of the public, as the shaving-stick is associated with a merry personage called "Chirpy," who evidently appreciates the "chin-comfort" which the soap confers on the users. The new show-bills, which are printed in colours, are being sent out with all orders for a dozen sticks.

OPPENHEIMER BOOKLETS.—Some clever advertising booklets of the company's products are being prepared by Oppenheimer, Son & Co., Ltd., 179 Queen Victoria Street, London, E.C. One of these, with four pages of matter, has a cover with a large coloured diagram of a bi-palatinoid. It is devoted to proclaiming the merits of this method of administering ferrous carbonate. Another booklet regarding Roboleine has on the cover a graph showing the rapid progress made in an anæmic patient who took a course of Roboleine. Copies of the booklets for counter-distribution can be had on application.

NEWBERY'S CATALOGUE (issued by Francis Newbery & Sons, Ltd., Charterhouse Square, London, E.C.) is now 10 in. by 6 in., which is bigger than the small octavo with which we and every chemist and druggist have been so familiar for many years, and, on the whole, a better book. It is revised up to August 31. Part 1 is devoted to druggists' sundries (200 pages); Part 2 is "packed goods," including "Wenbery" specialities (thirty-two pages); photographic requisites make twenty-four pages in Part 3; and Part 4 consists of proprietary articles, perfumery, etc. (218 pages), followed by a sheaf of advertisements, altogether with prefatory matter about 800 pages—which is a

lot to give away for nothing. From the introduction we learn that Part 4 represents 625 removals, 466 new entries, and 1,397 quotations modified up to August 31; since then the medicine-tax has been doubled, with the result that Messrs. Newbery will shortly issue a supplementary list of the revised prices of leading articles.

AYRTON'S TEA TABLETS.—*C. & D.* readers will have noticed the announcements regarding the tea tablets which Ayrtton, Saunders & Co., Liverpool, have placed on the market. These are one of a series of similar tablets for beverages, the others being coffee with sugar and milk and tea with sugar and milk. The plain tea tablets are put up in tins of fifty, and retail at 7d., while the tins of the compound tablets of either tea or coffee contain six tablets, each tablet sufficient for a breakfastful of beverage. There is quite a boom in these useful tablets, and thousands of tins are being sent by friends in this country to the British troops on the various battle-fronts. Ayrtton, Saunders & Co. have produced a number of suggestive showcards and window-posters, which will assist sales by calling the attention of soldiers' and sailors' friends to the usefulness of such presents. The bulk of the packages is small, and a more appropriate gift for use in the trench or dug-out it is difficult to imagine. Those chemists who have not yet displayed these products should write for a supply of the new window-cards. With an assorted order to the value of 5l., a full-size window-poster would be supplied to fit any portion of a window, thus enabling the chemist to make a special display of these goods. A full set of samples can also be obtained.

EDINBURGH VACCINES.—With further reference to the announcement that Duncan, Flockhart & Co., Edinburgh and London, have been appointed the sole distributors of the vaccines manufactured by the Royal College of Physicians, Edinburgh, we call attention to the fact that this marks an important step in the history of the older medical corporations. At the same time it concerns an entire rearrangement of the source of supply of the Edinburgh vaccines. The series of vaccines are prepared under the direct supervision of an eminent Edinburgh bacteriologist in the Bacteriological and Pathological Laboratories of the Royal College of Physicians, Edinburgh. Messrs. Duncan, Flockhart & Co. have taken premises next door to the College laboratories, where the vaccines are received, encapsuled, and finished off for distribution. It is needless to add that the new department is organised upon the most up-to-date principles, the arrangements including the registration and testing of every batch of vaccine. The style of packing is original, and each bulb of vaccine bears the official label and batch-mark of the College of Physicians. It should be noted that a wide range of dilutions is prepared, which are specified in the price-list, and where odd dilutions are ordered the next highest dose is supplied, with full directions regarding the dose to be administered. This is a point which should be borne in mind when dealing with medical men. The prices at which the vaccines are sold have been arranged on a favourable basis, and there is a liberal trade discount to chemists. A booklet entitled "Vaccine and Tuberculin Therapy" containing useful information regarding the uses, modes of administration, dosage, and prices of the various vaccines is supplied on request.

CHRISTMAS PERFUMERY.—We mentioned last week that Southall Bros. & Barclay, Ltd., Birmingham, were to publish this week their catalogue of Christmas perfumery. We have since received a copy of it, and find that it shows undiminished effort and enterprise; indeed, considering present difficulties in respect to labour and materials, the fact that S. B. & B. are able to offer as fine a selection of perfumery as ever they have done indicates that they have overcome the difficulties. This is reflected in the foreword of the catalogue (which, by the way, is the twenty-eighth annual issue), where it is remarked:

"Early in this year, because of the war conditions, we realised that, if we were to offer perfumery for Christmas in quality and style commensurate with our former successes, we should have to take exceptional measures. We consequently got into touch with practically all sources of supply that were available, with a result that has been very gratifying; for, in spite of the unusual conditions of production and the greatly enhanced costs, the varieties of bottles and packages offered are such as are worthy of the reputation we have gained for high-class style and superior quality. A large number of the higher-class bottles were bought by us in France early this year at prices quite 25 per cent. lower than now. This advantage we are giving to our customers."

It is surprising how varied and beautiful are the cases and caskets which are illustrated in the catalogue by the

three-colour photographic miniatures, the tinted background, used for the first time, enhancing the artistic effect. In the section of the catalogue illustrating plain, cut, and fancy bottles the engravings are black on a white ground. We suggest that chemists who have not received the catalogue should get a copy of it, so that they may judge for themselves the nature of the gifts obtainable, and not to delay, as many did last year, whereby much Christmas trade was lost. Southall Bros. & Barclay aim in the catalogue to bring the buyer as near to realising the appearance of the goods as if they were before their eyes, and this their private press succeeds in doing. It is also important to note that, although there is infinite variety to choose from, stocks are not superabundant; in fact, the firm sound a warning to the effect that repeat orders cannot be guaranteed, at least in perfect uniformity—*e.g.*, style of bottle. There is ample choice at specific selling-prices of well-matured individual perfumes, in artistic cases, which are all uniform in style and finish; but the supplies of particular styles of bottles are limited, so that any buyer who has preference in this respect had better buy well at the beginning of the season.

Personalities.

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A CERTIFICATE OF NATURALISATION has been granted to C. Deuntzer (Dane), London County Asylum, Hanwell, medical practitioner.

MR. BERNARD RECHLER, chemist and druggist, 357 Bury New Road, Higher Broughton, Salford (a naturalised British subject), announces that he has changed his name to Redford.

MR. GEORGE TURNER, chemist and druggist, Biggleswade, Bedfordshire, has been appointed Provincial Grand Standard Bearer and a member of the Charity Committee of the Province of Bedfordshire.

MR. ALBERT EBERLIN, J.P., chemist and druggist, Nottingham, and Mr. John Stainer and Mr. J. J. Giles, chemists and druggists, Folkestone, have been appointed visitors under the Lunacy Act, 1890.

BROTHER R. TAYLOR MONKS, chemist and druggist (R. Taylor Monks & Co., Ltd.), Radcliffe, Manchester, was installed W.M. of the Radcliffe Lodge, 2701, by W. Bro. T. A. Smith (J. T. Smith & Son, chemists) at the Boar's Head Hotel, Radcliffe, on October 27. The usual loyal toasts were submitted during the evening.

IN THE *C. & D.*, July 9, 1904, there was published a chronological table of the business of F. Newbery & Sons, on the occasion of its being converted into a limited liability company; and one of the entries was—"1865: Mr. Edward Pickering entered the firm's employ." It was difficult to realise when we chatted with Mr. Pickering one day this week that this is his business jubilee year. The firm in 1904 (then Mr. Arthur Le Blanc Newbery and the late Lionel Newbery) showed their high regard for Mr. Pickering by making him a director along with themselves, and Secretary of the company. When Mr. Pickering entered the business as a boy it was at 45 St. Paul's Churchyard, and he has seen it removed four times, on each occasion to expand. First to 44 St. Paul's Churchyard, then to Newgate Street, next to King Edward Street, and in 1899 to Charterhouse Square. Mr. Pickering is one of the best-known men in the English patent-medicine trade. He has served the P.A.T.A. well, and few are so familiar as he with the intricacies of the stamped medicine statutes. He is the author of "Newbery's Catalogue," which is a standard work on proprietary medicines, besides being a price-list, and has edited thirty-five editions of it. It has now entered upon a larger format, which seems to herald a jubilee issue from Mr. Pickering's sanctum. May it be so!

THE MARRIAGE of Second-Lieutenant Ralph H. Dodd, A.S.C.M.T., elder son of Mr. W. Ralph Dodd, Ph.C.,



MR. E. PICKERING.

F.C.S. (Allen & Hanburys, Ltd.), and Mrs. Dodd, of Burton Grange, Cheshunt, Herts, and Eirene, elder daughter of Mr. and Mrs. Lewis Goodbody, of Drayton Villa, Clara, King's County, will take place quietly in London very shortly.

IN CONNECTION with the movement for sending to soldiers at the Front snapshots of their families and homes, Mr. A. Barton Kent (chairman of G. B. Kent & Sons, Ltd.), who is an enthusiastic amateur photographer, has already taken upwards of 130 snapshots of the employees of the company to send to their friends who are serving their King and country. He gives each person one print and the negative, in case they wish to have more copies made.

THE SIMULTANEOUS APPOINTMENT of two Owens College men as members of the Pharmaceutical Board of Examiners for England and Wales is interesting. Mr. James Grier, Ph.C., M.Sc., is Lecturer on Pharmaceutics at Manchester University, and when it was plain Owens College Mr. H. Wilson, Ph.C., F.I.C., was associated with Mr. W. Elborne, who held the same position, in work done there. Mr. Grier had his early pharmaceutical experience in Edinburgh and neighbourhood, and, after qualifying in 1891 and passing the Major in 1895, came south, and was for a time junior demonstrator to Professor Attfield at the Square. A year later he was appointed to his present position, and in 1906 the



MR. H. WILSON, F.I.C.

University conferred on him the honorary degree of M.Sc. A portrait of him taken on that occasion was given in the *C. & D.*, July 13, 1907. Mr. Wilson was apprenticed to Dr. J. C. Thresh when he was in business at Buxton. Thirty years ago he passed the Major examination in Edinburgh, and was for some years thereafter in the laboratories of James Woolley, Sons & Co., Ltd., Manchester, whence he went to Randall & Son, Southampton, as a junior partner, and is now governing director of the company. He passed the examinations of the Institute of Chemistry, and was admitted a Fellow in 1892. Mr. Wilson is an ardent pharmacist, experienced in practice, devoted to its progress, and has taken much interest in movements regarding the statutory qualifications.

MR. ARTHUR R. LING, the newly elected Chairman of the London Section of the Society of Chemical Industry, is a well-known consulting and analytical chemist. He has been in close association with the Society for many years, and served as Hon. Secretary to the London Section between 1893 and 1904. He commenced his career in the City in 1882 as junior chemist to the London Beetroot Sugar Association, becoming successively, a few years later, second chemist and chief chemist. In the latter capacity he had associated with him for some years as second chemist Mr. Julian L. Baker, who has also filled the office of Hon. Secretary of the London Section. During his time of office at the London Beetroot Sugar Association, Mr. Ling built up the nucleus of a private practice, and in addition to



MR. A. R. LING, F.I.C.

this he conducted numerous researches on organic chemistry, especially on nitro-phenols, quinones, sugars, and starch. In 1895 he was appointed editor of the "Journal of the Federated Institutes of Brewing," now the "Journal of the Institute of Brewing," the leading periodical on brewing science. Mr. Ling has always shown a leaning to the science of brewing, and has conducted numerous researches bearing on the subject. To-day he is a leading expert in the technology of sugar

and brewing. Nine years ago he commenced a course of instruction on brewing and malting at the Sir John Cass Institute, which has been continued from year to year since. In 1898 Mr. Ling entered into partnership with the late B. E. R. Newlands, F.I.C. The partnership lasted for five years, since when Mr. Ling has been in practice alone at 74 Great Tower Street, E.C. Besides numerous original papers, Mr. Ling has made many contributions to scientific literature. He is joint author with the late Dr. W. J. Sykes of the "Principles and Practice of Brewing," author of the articles on "Malt" in the last edition of the "Encyclopædia Britannica," on "Sugar Analysis" in Thorpe's "Dictionary of Applied Chemistry," and in Lunge's "Technical Methods of Chemical Analysis," and on "Brewing-materials" and "Starch" in the latter treatise. Owing to an attack of influenza, Mr. Ling was prevented from being present at the meeting on November 1 of the London Section. Mr. Ling is the son of a pharmacist.

British Chemical Industry.

In this article Mr. P. Leuthard Thornton continues his criticism and contrast of British and German chemical industries ("C. & D." October 16, p. 41), and concludes with some general suggestions for the future.

VERY little use has been made by British manufacturers of the protection afforded by German patent law, as we had few new discoveries which we considered important enough to register. We did not realise that a reaction which did not at once lead to tangible results could be of importance later, and that by not patenting it we were liable to be forestalled. In Germany every observation likely to be of future interest was patented. The numerous research laboratories which had been established worked with intensity, and novelty was prolific. We did not grapple with the new position so created. The German chemical industry continued to grow in importance, and we became gradually distributing agents instead of manufacturers. Searching for means to counteract this we created the Patent Act, which came into force on January 1, 1903, and which provides that a patentee must within a given time carry on his patented process to an adequate extent in the United Kingdom. Some German firms erected works here, and thus complied with the Act, but their output did not lower our imports of finished products. It cannot therefore be said that this Act was a success.

There are many ways of editing a patent, and much depends on the base from which the final product is to be derived. In Germany the editing of patents had become a fine art. On the other hand, it is very difficult for an outsider to prove that adequate quantities are not manufactured. The consumer has no interest in disclosing his business. It would have been much better if we had abolished all patent laws until such time as protection became again necessary. This would have been but fair retaliation. Germany had no patent laws when she laid the foundation with the first money which she earned by infringing our patents. We did not only help Germany by our inability to follow her on the field of scientific research, but we gave her every opportunity to enrich herself by buying all she could produce.

We were at one time the biggest users of colouring-matters, and our exports were increasing when Germany entered the field. Our colour-trade was principally in the hands of dealers, and the Germans realised that it would not be possible to sell direct to the consumers as long as these intermediaries held the business; but they also realised that a manufacturer with many customers cannot be driven easily out of a market, and that, if his customers are consumers, he is the richer by the profit of the middleman, or he can divide it with the user and still benefit. The Germans were not afraid to venture, and some of their smartest young men were sent out to acquire on the spot the necessary knowledge, with instruction to seek employment preferably with firms who could become direct customers. When a thorough footing had been obtained in this country they turned their eyes to our export trade. Soon German firms established themselves in our Colonies, the Far East, and, in fact,

everywhere, encroaching gradually on our business. We did not like this poaching on our preserves, and still believing in our superiority and reputation as fair traders, which would always give us the preference, we established the "Made in Germany" legend, thereby helping them immensely. It must be admitted, therefore, that the chemical and allied industries which Germany has created are the result of enterprise and intelligent labour. To whatever causes we may attribute our decline in the field of chemical enterprise, we now have the opportunity to regain our share of the world's trade. We must, however, bear in mind that Germany will always be, and remain, an important factor with which we shall have to reckon. No doubt her manufacture and research will be restricted for some time after the war, and everything will require reorganisation, but we should face the fact at once that every effort will be made to reconquer lost ground, and that the fight will be hard and long.

Not only must chemical industry in general be developed, but all the allied trades should be represented by factories in this country, and to such an extent as to render us absolutely independent. The Germans established their industry at a time when we were inactive, and in the coming struggle they will have the great advantage of knowing how to manufacture many useful products which have never been made by us. Our difficulty will be to obtain satisfactory results quickly, and after peace our anxiety will be to increase the production of those things which we have started to manufacture in war-time. Even an excessive duty may not protect us in some instances from German underselling.

It is therefore our duty to foster scientific research and place it at once on a proper and lavish footing. From it must spring discoveries of such commercial value as will create a new chemical industry, all our own, and will permit us to relegate all previous processes to the scrap-heap. We have intellectual minds in plenty, better and more profuse in new ideas than the Germans, only we must give them the opportunity to materialise. All this will require time and patience. To hurry the scientist means a reduction of his productive capacity. The manufacturing chemist must not be overlooked; some measure of commercial control is necessary if he is to be exact, careful and economic in his operations.

Finally, let us bear in mind that scientific research must at first be directed to produce discoveries of business value only, and that science, manufacture, and commerce, if happily combined, will bring back to us what we have lost.

Society of Chemical Industry.

THE first meeting of the session of the London Section was held at Burlington House, Piccadilly, W., on November 1. Professor H. E. Armstrong (Vice-Chairman) occupied the chair in the absence of Mr. A. R. Ling, who was indisposed. After the preliminary proceedings, the Chairman called upon Dr. M. O. Forster, F.R.S., to open a discussion on the suggested establishment of

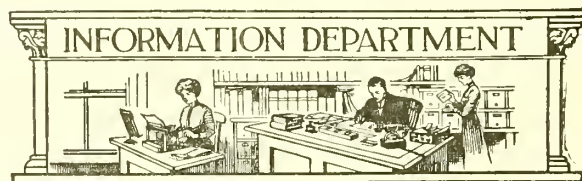
A CHEMICAL INTELLIGENCE DEPARTMENT

as a branch of the Board of Trade. Dr. Forster laid his scheme before the annual meeting in Manchester (*C. & D.*, July 31, p. 170), and upon this he now enlarged. All were agreed, he thought, that prior to the war chemistry had been shamefully neglected by the general public and the Government, and that as a consequence Great Britain has not kept pace with the general development of the science, particularly in its application to industry. At the present moment the Government is making use of chemical advice to an extent hitherto unknown. As the war proceeded this advice would become increasingly valued by the State, and one purpose served by the establishment of a Chemical Intelligence Department would be to preserve to the country this new tradition. Dr. Forster added that it was not contended that the establishment of the Department would do more than lay some stones in the edifice which they had to build, but he believed it might include the foundation-stone of one wing. He did not agree that the Department could be more usefully carried on by a Joint Committee of Chemical Societies, as it would lack the prestige which would follow from its connection with the Government. The speaker

then read the details of his scheme, and made explanatory remarks on various parts of it. He thought the cost would be, roughly, 5,000*l.* per annum, which would provide a directing chemist, four or five assistant chemists, a librarian, and a clerical staff of six or eight. The scheme should be developed and its adoption pressed upon the Government so soon as the acuteness of the military situation has been averted.

In the discussion which followed, the Chairman said the Society is already endeavouring to prepare a list showing the attainments of its members. Cards have been sent out, and the replies to the questions are now being codified. Mr. W. F. Reid said that in any scheme such as that put forward chemists should be given the power to do the work required. He dealt with the difficulty that would arise from the disclosure of the ideas of inventors, who naturally expect to reap a reward. A preliminary objection to the scheme is that the Board of Trade officials are not educated to appreciate the information brought before them. The Consular Service requires reorganisation on the model of that adopted by the United States. Care should be taken that the Chemical Intelligence Department does not interfere with the private work of consulting chemists. This was guarded against when the National Physical Laboratory was established. Dr. A. Scott reminded the meeting that in the memorial to the Government by the Royal Society and Chemical Society the necessity of such a scheme was urged. Mr. Gordon Salomon, while welcoming the scheme, was afraid it would become one for the synthetic production of red tape. The various Chemical Societies should have the power of appointing representatives year by year. Mr. Ashley, of the Board of Trade, and Dr. Heath, of the Board of Education, were unable to contribute to the discussion, as they were there only to report to their chiefs. Professor F. G. Donnan said he would rather not add to the duties of the Board of Trade. An Advisory Committee should make suggestions to be carried out by Government Departments, and if this is not done the question should be raised in Parliament. Mr. Julian Baker thought the problem more fitted for a Committee of the various Chemical Societies, which should at least carry out the pioneer work. Mr. Boake hoped the benefits of the scheme would be reserved for Britishers. Dr. Travers and Mr. Garland urged that chemists should organise themselves first, the last speaker suggesting that the model should be the way the medical profession is organised. Dr. Mollwo Perkin said the Board of Trade should stop appointing Germans to represent the country abroad. Mr. D. A. Sutherland said the estimate of the cost of the scheme was too low. It cost the Society 3,000*l.* to produce the last decennial index of the "Journal," and similar work is merely one item in the proposed scheme. The Chairman, summing-up the discussion, said the scheme should be developed by the Society and related bodies, and then placed before the Government. He added the warning that if chemistry is not organised from within it will cease to exist. Dr. Forster also replied to the criticisms that had been passed on the scheme.

The exhibits on the lecture-table were specimens of synthetic succinic acid, sodium succinate (from amber), chloral-amide, and thymol prepared by Thomas Morson & Son, Ltd.



Postal Address:

C. & D. INFORMATION DEPARTMENT, 42 Cannon Street, London, E.C.
Telegraphic Address: "CHEMICUS, CANNON, LONDON" (two words).
Telephone Number: 3617 CENTRAL (three lines).

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated. Please address us as above:

- | | |
|--|---|
| 23/10. De Vere's compound fluid extract of sarsaparilla. | 18/34. Osgill soap. |
| 21/51. Holland's "Parafene" (made in Melbourne, Victoria); agents. | 18/17. Janet Moore's beautifying cream. |
| 21/51. "Olxaline." | 18/17. "Kasmit" face-lotion. |
| 18/66. Hydrochloric acid (commercial). | 20/24. Chloralamid. |
| | 23/21. "Sea Foam" Eau de Cologne. |
| | 23/35. 1 <i>l.</i> saline tablets. |

Observations and Reflections.

By Xrayser II.

Lord Derby's Letter

has carried acute consternation into hundreds of pharmacies throughout the country, and the feeling will not be lessened by the announcement of the khaki-armlet scheme. What is going to be the outcome in so far as qualified assistants or war age are concerned? If these men follow their natural instincts and enlist, the result cannot but be disastrous to firms who need several assistants to carry on their businesses. It is not in the interest of the nation that this should happen. The second letter in your correspondence columns last week stated the position plainly and temperately, and if the arguments in favour of treating the qualified assistant as engaged in indispensable national work were put before the right man there need be no doubt as to what the reply would be. The difficulty is to get at the right man, but from the little experience I have had in such matters I should be inclined to lay a powerful appeal before the Insurance Commissioners, who have the reputation of getting things done, which is more than can be said of some other Government Departments. Further, no time should be lost in individual firms taking up their own cases. We are not going to get what we want by a collective demand from Bloomsbury Square. War badges are not being handed out indiscriminately, and it is only by definite evidence being supplied in individual cases that relief can be got.

Mr. Body's Criticism

of the Conference and its decisions is not very convincing, and seems to me a good deal beside the mark. There is, no doubt, some ground for his dissatisfaction, but he does not succeed in making it quite clear. He begins by complaining that the "main principle" was neglected, but he does not appear to realise what the chief principle of the resolutions was, and he confuses principle with policy. The principle surely was payment by fees instead of by price; everything else, whether it related to Tariffs, or establishment charges, or the amount of the fees, or what not, was a matter of detail, and it was only by a discussion of detail that anything beyond the bare principle could be determined. Of course, the details are not all of the same importance, and it may be that the more important ones were not sufficiently emphasised. If I may judge from such reports as I have seen, the great fault of the discussion was the lack of a definition of "cost price," with which wastage has a good deal to do. The actual cost of an article is not its total cost, and though the difference is partly met by the establishment charges, it is not entirely so. The more I study the reports I have seen the more clear it becomes to me that the Conference had not before it the data for determining such a very complex question as that of an equitable "minimum remuneration." No such consensus of opinion as Mr. Body says it should have secured on this point is possible without a still more searching discussion of details. We know enough to be quite sure that the proposed fees are not adequate, and it is arguable that the Conference ought to have adhered to its resolution not to accept them, but beyond this I cannot follow Mr. Body.

The Manufacturer and the University,

according to Professor Walker, work hand in hand in some places in America, and the inference is that this sort of thing should be encouraged in this country. If there is one business in which an arrangement of this kind ought to work it is that of drugs, but I fear that we are still a long distance from any practical scheme of this kind. Some years ago an attempt was made by the men in charge of the Lister Institute to have that institution erected into a kind of reference-research laboratory to be supported by manufacturing chemists in this country, and several meetings were held, at which the scheme was gone into. The idea was excellent, but it broke down mainly, I

think, because the Institute itself was not devoted to pure research, but carried on a certain amount of trading which it was not willing to give up. The firms who were expected to subscribe to the new venture and to keep it going naturally felt they could not support what was in some respects a competitive trading institution. If Professor Walker wishes to push the idea, the element of trade must be left severely alone by the universities or laboratories concerned, while the manufacturers must be left a free hand in the utilisation of the results of the research entered into at their instigation.

An Australian Pharmacist,

unknown to me, who speaks, I fear, too flatteringly of these notes of mine, takes me gently to task for my lukewarm defence of the eucalyptus from the strictures of Mr. Norman Douglas (see *C. & D.*, July 3, 1915, p. 47). In a long and eloquent letter he contends that the æsthetic value of the tree cannot be judged by its effect in Southern Europe, where it is an exotic, more or less out of keeping with its surroundings; only in Australia, where it is "natural, and necessary, and harmonious, and fits into the picture as does Ely Cathedral into the long vista of the Fens," can its beauty be truly appreciated. It is, no doubt, quite true; a flower "blown in its native bed" appeals to us more intimately than elsewhere; and the remark shows a fine feeling for the soul of a landscape. It leads naturally to an outburst of poetry which I cannot forbear to quote:

"There, 'midst a blue more intense than can be shown by Naples or the Ægean, you shall find those dark-green leaves have become

' Magic casements, opening on the foam
Of perilous seas, in faery lands forlorn.'"

My correspondent, while affirming the therapeutic value of eucalyptus oil in many complaints, admits that it is useless against malaria, which was what Mr. Douglas was chiefly concerned to show; his contention that the tree adds nothing to the beauty of the Mediterranean seaboard which compensates for its failure in this respect was of the nature of an afterthought. May I be allowed to thank my distant reader for his very delightful letter, and to ask:

"How rolls the Wairoa at your world's far end?"

The Mole, or Mouldwarp

(I am most familiar with the latter name), is an animal for which I have a certain affection, and I am sorry to say that I never yet have met with a farmer who could be got to regard it as a friend. Moles do some good undoubtedly in the way you suggest, in reply to a correspondent, but they are often a terrible nuisance and a source of considerable loss, and I am not surprised that practical men almost universally agree that they need keeping down, if not entirely exterminating. I have an ancient treatise on the destruction of vermin, in which there are no fewer than twenty-three recipes for getting rid of moles, and the office of mole-catcher was, and I believe still is in many places, one of considerable honour and emolument. This can hardly be altogether due to a mistake, and though the mole was hunted for other reasons than the harm he does this was the main reason. Moles were once official with us: their livers were especially prescribed, their hearts were given, dried and powdered, for hernia, and other parts for hysteria. They seem, too, from an allusion in Hottspur's description of Glendower's extravagances, to have been used for some magical purpose, and there is a curious passage in Lyly's "Euphues" which may have a somewhat similar significance:

"This is the poyson, *Philautus*, the enchauntment, the potions that creepeth by sleight into the minde of a woeman, and catcheth hir by assurance, better then . . . the picture of *Venus* in Virgin Wax, or the Image of *Camilla* vpon a Mouldwarps skinned."

Burton, in the "Anatomy," moralises them prettily as a remedy against discontents:

"Comfort thyself with other men's misfortunes, as the mouldwarpe in Æsop told the fox for complaining for want of a tail, You complain of toies, but I am blind, be quiet."



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Editorial Articles.

Insurance Dispensing.

THE National Health Insurance Commission (England) has drafted amendments to the Medical Benefit Regulations providing for carrying into effect the recommendations of the Departmental Committee on the Drug Tariff (C. & D., September 18, p. 41). In Memo. 217/I.C. in England the Commissioners summarise the position, stating that "Panel Committees are practically unanimous in their rejection of any proposal which involves the abolition of the minimum of 7s.," which, it will be remembered, was threatened, or supposed to be threatened, by the proposal to make the payment of chemists' accounts a first charge upon the Medical Benefit Fund. Thus the original proposal is "rendered abortive," say the Commissioners. "The obvious course, in the special circumstances of urgency, would have been to postpone the introduction of a Commercial Tariff and the further consideration of its financial basis," but the discounting clause in pharmacists' agreements was a serious objection on our side of the fence, and (add the Commissioners):

"The very recommendations of the Departmental Committee as to prices have reinforced the objections of pharmacists by enabling them to demonstrate that a continuance of the present arrangement is bound to result in the chemists in certain areas receiving a lower rate of remuneration than that pronounced by the Departmental Committee to be commercial, and in the chemists in many other areas being subjected to a serious risk of similar treatment."

The "position of considerable gravity" thus created by the doctors not budging from their right to a pound of flesh, and the risk of that flesh being torn from chemists along with a certain proportion of integument, created a deadlock, in which the Commissioners appealed to his Majesty's Treasury, with the result that the Treasury promises to supply the needful guarantees to doctors and chemists, four conditions being assured, viz.:

(1) Doctors will be guaranteed their minimum of 7s. per insured person on their lists, as well as the "floating sixpence" or part thereof where it exists.

(2) Drug Fund balances (less the floating sixpence and payment to chemists of balances of old accounts) will be pooled into a fund "out of which the chemists will be guaranteed the payment in full of their bills upon a new Commercial Tariff on the lines of that recommended by the Departmental Committee, his Majesty's Treasury taking the risk of the total fund so accumulated proving insufficient for this purpose."

(3) The local Panel Committees will investigate excessive prescribing charges, instead of Pharmaceutical Committees.

(4) Money recovered from individual doctors by surcharging will be paid into the Practitioners' Fund of the area.

The draft amendments to the Medical Benefit Regulations cover these assurances. An epitome of them is printed on p. 53. The Insurance Committees have been instructed by the Commissioners to write to panel practitioners and chemists regarding the terms of service on and after January 1, 1916, asking them, if they mean their names to be removed from the medical list, to give notice to that effect in writing. A statement is appended to the doctors' letter showing the alterations in Article 40 of the Regulations, which deals with excessive prescribing

(strange that it has broken down in the law courts!) and (besides medical certification rules) the following are given:

ORDERS FOR DRUGS AND APPLIANCES.

On and after the 1st day of January, 1916, every agreement between the Committee and a practitioner on the panel will be read and have effect as if the following provisions were inserted therein:

(1) *The Committee may, after consultation with the Panel Committee, at any time require that (subject to such exceptions and qualifications, if any, as may be agreed between the Committee and the Panel Committee, or in default of agreement may be determined by the Commissioners) the practitioner shall not give any order for any drug or appliance in such a form as to necessitate a reference on the part of the person supplying the drug or appliance to a previous order.*

(2) *The Committee shall give not less than fourteen days' notice to the practitioner of their intention to bring the foregoing provision into operation.*

DRUG TARIFF.

The existing Drug Tariff (which will remain in force for the purpose of determining the amount to be transferred from the Drug Fund to the Practitioners' Fund, and for the purpose of ascertaining the capitation-fee payable to practitioners supplying drugs and appliances on a capitation basis) will be subject to such modifications, if any, as the Commissioners, in consultation with the British Medical Association and the Pharmaceutical Society, may consider necessary. Such modifications will relate mainly to alterations in prices necessary in order to make allowance for any increase or reduction in the current market-prices of drugs or appliances as compared with the market-prices upon which the 1915 Tariff prices were based.

The instructions in regard to chemists' agreements for 1916 state that the new Commercial Tariff will be "incorporated in the agreements with chemists and other persons supplying drugs and appliances as from January 1 next," as provided for by Article 2 in the amended Regulations. Notices have to be given to chemists and others on the lists by the Insurance Committee before November 19, and "any contractor from whom the Committee do not receive by December 3 notice in writing of his desire to remove his name from the panel as from the end of the current year will be deemed to have undertaken the supply of drugs, etc., for 1916 on the revised terms."

A copy of the memorandum and a copy of the new Commercial Tariff have to be supplied by each Insurance Committee to the Pharmaceutical Committee, and any additions to the Tariff agreed to between these Committees must be submitted to and approved by the Commissioners not later than November 10. On the whole the Commissioners are carrying out the agreement arrived at on October 21 between Mr. Roberts, M.P., and the Executive Committee of the Local Associations Conference as representing the dispensing chemists of England and Wales, and there is no getting away from the fact that dispensing chemists in England and Wales have as a body (not individually) got what their representatives put forward as the principles upon which they would continue in service, and the Pharmaceutical Society must see them through. Dispensing chemists in Scotland decline to continue in service on the new terms; they prefer the system existing in Scotland, which is uniform and has produced a minimum of discounting. Mr. Roberts was willing to give them until April to disprove or otherwise the correctness of the 0.8d. establishment charge. They declined because they felt that to discredit the figures of the Departmental Committee, and to ascertain from the real facts what they ought to be, is a tremendous undertaking involving much time, labour, and considerable expense. We agree, and consider the proposal to go on in Scotland upon the existing system until the war is over is both practical and wise.

Reviewing the whole position, it is seen that the liberty of every chemist remains. Those who are on the panel at present are perfectly free to come off, but they must inform their Insurance Committees in writing before December 3 if they wish their names to be removed from the panel. There is no hope of getting better terms locally, as Insurance Committees and Pharmaceutical Committees have no power to modify the terms of payment in any material respect. Those in England and Wales who wish to continue on the panel may do so with a good conscience, for the decision of their representatives at the Conference and the Pharmaceutical Society's action assure them that the terms are the best they will get. In short, it is a case of "take it or leave it," and present circumstances indicate that the majority in England and Wales will take it. Before dispensing chemists in Scotland reach that position Parliament must repeal Section 80 of the 1911 Act, which provides for the application of the statute to Scotland, and that is at present unlikely.

Quinine Prices.

THE second-hand quinine market at the present time is passing through an eventful and critical stage as the result of an enormous export demand (principally on European and American account), which, coupled with a wave of speculation, has rapidly driven up the price to a level hitherto unprecedented in so short a period. It will be remembered that at the beginning of the war quinine and cinchona-bark were placed on the list of exports prohibited to all destinations, but on concerted action being taken by the trade the embargo was removed. It was then stated (*C. & D.*, August 22, 1914, p. 52) that the available stock of quinine in London, apart from what wholesale druggists held, was over 3,000,000 oz., and the average deliveries for home and export amounted to 1,300,000 oz. per annum. The actual consumption in Great Britain is but a small fraction of the whole, and is well covered by the output of the English makers and importations, without taking into consideration the large stocks. The position since then in regard to the London stock has undergone a considerable change, the figures having been reduced by 2,000,000 oz., and at the end of October quinine sulphate stood at 5s. 6d. per oz. What otherwise would have been a precarious position is saved by the fact that our imports of quinine this year have been much larger, as may be seen from the following figures for the nine months ended September 30:

Imports of Quinine Salts.

1913 Oz.	1914 Oz.	1915 Oz.
1,811,478	1,345,945	3,315,200

Exports of Quinine Salts.

1913 Oz.	1914 Oz.	1915 Oz.
1,348,370	1,086,107	1,714,536

The balance of imports over exports is thus approximately 1,600,000 oz. It is inferred, therefore, that wholesalers and manufacturers hold good stocks. The bulk of the imports are from the Netherlands, where the factories are producing to their full capacity. The output of the German factories has been substantially reduced during the war owing to various economic reasons, the chief one being shortage of labour. In any case the export of quinine salts from Germany, even to neutral countries, is prohibited. During the war German factories have purchased only about half their usual quantity of bark,

but in other respects the agreement with the Java bark-growers and European quinine-makers, which they signed in July 1913, remains substantially as it was. This elimination from the world's markets of the enormous output of the three large German factories, who produced before the war about 150,000 kilos., or a little over 5,000,000 oz., per annum, out of a total world's production of 17,000,000 oz., is one of the principal causes for the advance in prices. The position of the German makers throughout the war has been a peculiar one inasmuch as they have made no alteration in their price, which is quite nominal at 1s. 1d., less 5 per cent.; but the Dutch makers subsequently raised their price to 40fl. per kilo. (2s. 0½d. per oz. net), which figure is also nominal. There is likely to be a not unimportant increase in the output of the Dutch factories, and supplies during the ensuing months may be expected to be more liberal.

Some idea of the extent to which the price of quinine has risen is obtained by comparing the figures ruling three years ago with those of to-day. From January 1909 to April 1912 the German makers' prices remained stationary at 7½d. per oz., and in 1911 German brands in second-hands sold as low as 6d., while Java quinine was down to 5½d. per oz., these being the lowest on record. The depreciation was due to three causes—viz., unchecked bark-production, high average quinine-content of Java bark, and the failure of all efforts to bring about an understanding among the planters. In July 1913 an agreement was arrived at, and a general improvement was effected from that time until August 1914, when the price of quinine sulphate stood at 1s. 1d., and second-hands at about 1s. 2½d. During the first twelve months of the war there was no speculation in the article, but now a few daring operators have been buying and selling; some of them have made thousands of pounds per day, and they are assisted by a number of smaller operators. Such people regard the present values as by no means exaggerated, and they recall the times when quinine was 12s. or even more per oz. The wonder is, say the speculators, that the advance until recently has been so slow, seeing that quinine has been called upon to supplant a large number of antipyretics, such as phenazone, phenacetin, acetanilide, and the salicylates, the prices of which are hundreds per cent. over normal values. The consumption therefore is necessarily increased for ordinary purposes, added to which the requirements of the British and Allied Governments are very large. Other facts are that the Java bark shipments for this year are barely two-thirds of those for the same period last year, but this does not alter the fact that Amsterdam carries a large stock of bark (about 55,000 packages in first-hands), which for the time being does not influence the situation much owing to the lessened output of the German factories. The Java factory is evidently absorbing more bark at present than in normal times, but it has an extra-European outlet for its quinine, as the European imports of Java quinine are negligible. United States holders sold fair quantities of quinine to England in the earlier part of the year, much to their regret we should think, as they cannot now supply their own domestic requirements, and the price there is \$1.75 per oz.; the makers' price is 50c. (!), but they have nothing to sell. The situation, therefore, has never been more favourable from a "bull" point, and speculators have successfully availed themselves of it by driving up the price from 1s. 4½d. to 6s. The present price is so inflated that reaction is bound to follow, and at the time of writing the price has fallen

to 4s., due to the Government having prohibited exportation (p. 35). In view of the larger supplies which the makers can undoubtedly place on the market during the ensuing months (as a matter of fact, the English production has increased), to-day's price (4s.) is distinctly hazardous, especially as figures tend to show a large undisclosed stock in this country. On p. 40 we print a table of statistics as to quantities of quinine in past years, and ask those interested to contrast with them the prices of Howards' quinine sulphate since 1890, viz.:

	s. d.		s. d.
1890	1 5	1904	1 1
1891	1 4	1905	1 0
1892	1 3	1906	0 10
1893	1 3	1907	0 11
1894	1 4	1908	0 9
1895	1 5	1909	0 8½
1896	1 3	1910	0 8½
1897	1 3	(Java selling at 5½d.)	
1898	1 6	1911	0 8½
1899	1 0	1912	0 9½
1900	1 5	1913	1 0
1901	1 3	1914	1 3½
1902	1 1	1915	(nominal) 1 11
1903	1 3		

The C. & D. Diary for 1916.

TIME is getting short for those who wish to keep their names and businesses before the chemical and drug trades of the world by means of advertisements in *The Chemist and Druggist Diary* for 1916. The Publisher asks us to remind those who have taken positions in it to send him "copy" immediately, or to advise him what alterations, if any, should be made in what he has in hand for them. It is eminently desirable that no house having business connections with pharmacy and the drug-trade at home and abroad should miss having a business announcement in this publication, which keeps their business before potential buyers every business day for a whole year at a trifling cost. On reading this they should communicate to the Publisher their desires in the matter, so that he may reserve the requisite space for them.

Forty-two Years Ago.

IN connection with the announcement on p. 35 of this issue as to our annual subscription, we note that it is forty-two years since our subscription rate was increased from 7s. 6d. to 10s. a year. The announcement made in the *C. & D.*, December 15, 1873, contained the following passage:

"We close our fourteenth volume with gratitude to the trade which has supported us so handsomely. We are not desirous to make either boasts or promises, but we may mention that we have spent far more money on our publication during the past twelve months than in any previous year."

No advance in the rate was made in March 1885, when the Journal was changed from a monthly to a weekly, and those who are old enough to judge will agree that the *C. & D.* as a weekly is *sui generis*, has made a place for itself in the world which was not filled before, and to-day is unexcelled as a journal of pharmacy and the drug-trade.

"The Year-book of Pharmacy."

IT is interesting to note that the "Year-book of Pharmacy" (J. & A. Churchill, 10s.) of the British Pharmaceutical Conference has established a record in regard to the date of its appearance. It is published eleven months after the volume for 1914. The number of pages this year is about thirty less than last year, due mainly to the fact that there was only one paper contributed to the Conference. Following recent practice, the President's portrait (Major Peck) is given as a frontispiece. The greater portion of the work is taken up with abstracts of chemical and pharmaceutical literature that has been published during the year. These are appropriately classified. Mr. J. O. Braithwaite has edited the work, with the assistance in certain sections of Mr. Thos. Stephenson and Mr. R. R. Bennett. The "Year-book" is well worth the year's subscription which members contribute to the Conference.

Pharmaceutical Society of Great Britain.

Council-meeting.

THE monthly meeting of the Council was held at 17 Bloomsbury Square, London, W.C., on November 3. All the Councillors were present. The President referred to the death of two corresponding members, Mr. F. Manson Bailey (Brisbane) and Dr. J. Medley Wood (Durban), also of Mr. D. Beatt (Huntly) and Mr. J. W. Taplin (Cricklewood). Examiners were appointed for England and Wales and for Scotland. An election of thirteen annuitants is to take place on December 14, but there will be no contest. The Thomas Kay bequest of 5,000*l.* has been received and invested in War Loan stock. A letter from the National Health Insurance Commissioners (England) (see p. 53) was considered, and it was agreed to render the assistance asked for in regard to various points in the new Drug Tariff.

THE Councillors present were: Mr. E. White (President), Mr. E. T. Neathercoat (Vice-President), Mr. W. H. Gibson (Treasurer), and Messrs. F. E. Bilson, A. S. Campkin, W. G. Cross, J. H. Cuff, W. L. Currie, F. J. Gibson, R. L. Gifford, J. P. Gilmour, A. Hagon, J. F. Harrington, J. Harrison, J. Keall, L. M. Parry, F. A. Rogers, P. F. Rowsell, F. P. Sargeant, T. A. White, and J. R. Young.

PREVIOUS MEETINGS.

The minutes of the previous two Council-meetings were read and confirmed. The last, which was held on October 20, concerned the investment of the Thomas Kay bequest in War Loan stock and the conversion of Consols held by the Society.

DEATHS.

THE PRESIDENT referred to the death of Mr. F. Manson Bailey (Brisbane) and Dr. J. Medley Wood (Durban), both corresponding members of the Society. Mention was also made of the death of the following members: Mr. David Beatt (Huntly) and Mr. J. W. Taplin. Mr. Beatt had filled the office of divisional secretary for some years, and Mr. Taplin was well known in connection with the Western Chemists' Association.

ELECTIONS, ETC.

Eight members and three student-associates were elected. Twenty-one persons were restored to membership. The Secretary reported that forty-one apprentices or students had been registered during the month.

CORRESPONDENCE.

The Royal College of Physicians wrote complaining of the advertisements of Mr. W. Shadforth, Ph.C., in the "Sunday Pictorial." The matter was referred to the Law Committee.

The Straits Pharmaceutical Association and the chemists of Penang sent letters drawing attention to two enemy firms of chemists who are still carrying on trade in the Colony, and urging the Society to approach the Government on the matter. This was left to the Secretary to deal with.

A Major student at the School of Pharmacy, who has decided to enlist, asked permission to continue his course of study on the conclusion of the war. This was unanimously agreed to.

Several communications were received from the North British Executive. These concerned the nomination of examiners (see p. 52), the recruiting of pharmacists and their assistants, and the supply of medicines to dependants of men on active service. In regard to the recruiting question the SECRETARY said he has been in constant communication with the authorities, and in the matter of dispensing for dependants, which the Scottish chemists have decided to discontinue on the present basis, he said that there have been comparatively few complaints in

England and Wales, and that where the Local Committees have been communicated with no further cause of complaint has occurred. Mr. GILMOUR added that steps had been taken in Scotland to ensure that really necessitous cases are provided free with medicine. The PRESIDENT was glad that there was no disagreement with the principle. The Secretary was instructed to communicate with the Prince of Wales's National Relief Fund in regard to the abuses in Scotland.

FINANCE COMMITTEE.

THE TREASURER then submitted the report of the Finance Committee. The receipts of the General Fund during the month were 2,301*l.* 19*s.*, made up as follows: Penalties and costs, 74*l.* 11*s.* 8*d.*; "Journal," 22*l.* 16*s.* 1*d.*; "B.P. Codex," 13*l.* 14*s.* 2*d.*; subscriptions, 96*l.* 1*s.* 6*d.*; registration-fees, 117*l.* 12*s.*; restoration-fees, 9*l.* 9*s.*; school-fees, 843*l.* 14*s.*; election of Pharmaceutical Committees, 16*l.* 7*s.*; rent and ground-rents, 91*l.* 17*s.* 6*d.*; bank interest, 10*l.* 16*s.* 1*d.*; bank deposit repayment, 1,000*l.* After deducting the payments ordered at the last meeting of the Council there remained a balance of 124*l.* 3*s.* 9*d.* The following amounts were recommended for payment: "Journal" and publications, 157*l.* 16*s.* 1*d.*; stationery and office expenses, 99*l.* 14*s.* 10*d.*; current expenses, 250*l.*; salaries, etc., 333*l.* 6*s.* 8*d.*; school and examinations, 222*l.* 10*s.* 2*d.*; law and professional charges, 41*l.* 14*s.*; house expenses, 91*l.* 7*s.* 5*d.*—a total of 1,196*l.* 9*s.* 2*d.* The balances on the Benevolent Fund were as follows: Current account, 427*l.* 3*s.* 9*d.*; donation account, 5,226*l.* 10*s.* 11*d.*; Orphan Fund, 13*l.* 6*s.* 2*d.*

The Treasurer remarked that the amount recommended for payment is 550*l.* less than at the corresponding period last year, and that 109*l.* less has been received by the Benevolent Fund. The proceeds of weighing-machines had been received as donations to the last-named Fund from Mr. P. C. G. Stiles, Market Harborough (10*s.*) and Mr. H. R. Lowther, Mumbles (1*l.*). He also mentioned that the Thomas Kay legacy of 5,000*l.* had been invested in War Loan stock.

The report was adopted.

BENEVOLENT FUND COMMITTEE.

MR. ROGERS, Chairman, moved the adoption of the Committee's report. Grants amounting to 97*l.* 10*s.* were recommended to be made. The Committee had also reconsidered the question of the annuitants to be elected in December, and recommended that the whole thirteen persons on the list should be elected without a contest on December 14.

MR. CAMPKIN said the Committee has arrived at a wise decision regarding the election of annuitants.

The report was adopted.

LIBRARY COMMITTEE.

The report of the Library, Museum, School, and House Committee was next presented by the PRESIDENT. This referred to school matters and approved of an account of 75*l.* 8*s.* 8*d.* for repairs, absolutely necessary, the President remarked, for the conservation of the buildings.

MR. PARRY asked if estimates for repairs were obtained from different contractors, and received an affirmative reply.

The report was adopted.

PARLIAMENTARY AND GENERAL PURPOSES COMMITTEE.

The report of this Committee stated that evidence regarding the recruiting of pharmacists had been submitted to Lord Lansdowne's Committee. Although no decision was announced, it was gathered that the Committee is of opinion that pharmacists should be "starred."

LOCAL ASSOCIATIONS EXECUTIVE COMMITTEE.

This formed part of the Parliamentary and General Purposes report. The Secretary reported that copies of the Supplementary Drug Tariff had been distributed. In regard to the resolutions passed by the Conference of Delegates on October 20, a Sub-Committee, consisting of Messrs. Goode, Neathercoat, Jenkin, Sargeant, Trick, and Wolff, was appointed to confer with the Proprietary Articles Trade Association in regard to those resolutions dealing with proprietary articles. The resolution

regarding the empowering of the Committee to deal with trade matters was remitted to the Council for an expression of its views. The present method of electing the Council being on statutory lines, it was decided that for the present it is not advisable to take any action to arrange it on a territorial basis. The question of the composition of cresylic acid now on the market, which it is stated does not conform to the tests of the British Pharmacopœia, was referred to the Law Committee for consideration and report. The draft of a letter to Local Associations in England and Wales giving information about the Drug Tariff was agreed to. A letter was also read from the National Health Insurance Commissioners (England) regarding certain duties in connection with the Drug Tariff which it was desired that the Pharmaceutical Society would undertake. The Committee recommended that the Society should undertake the duties referred to.

The report was adopted.

EXAMINERS APPOINTED.

The following were appointed examiners for the ensuing year for England and Wales: Mr. C. T. Allen, Professor A. W. Crossley, Mr. F. E. Fritsche, Mr. F. W. Gamble, Mr. Jas. Grier, Mr. W. F. Gulliver, Mr. H. J. Kluge, Mr. A. R. Melhuish, Mr. W. F. J. Shephard, Mr. T. Tickle, and Mr. Harry Wilson. The examiners for Scotland were also appointed in accordance with the nominations of the North British Branch Executive (see below).

OTHER MATTERS

dealt with included approval of an offer of 5*l.* a year for some waste land at Shortlands and the appointment of divisional secretaries for Scotland. Statistics of the October examinations were also submitted.

This concluded the public business.

North British Branch.

MR. DAVID GILMOUR (Chairman) presided at a meeting of the Executive, held at 36 York Place, Edinburgh, on Wednesday, October 27. Messrs. W. L. Currie, Doig, Drummond, Fisher, Forbes, Giles, J. P. Gilmour, Glass, Guthrie, Jack, McKenzie, McMillan, Nesbit, Storrar, and Wilson were also present.

NOMINATION OF EXAMINERS.

Dr. Leonard Dobbin, Dr. R. S. MacDougall, Dr. J. F. Tocher, Peter Boa, James Crombie, John Gilmour, Martin Meldrum, and Thomas Stephenson were nominated for election by the Council as members of the Board of Examiners for Scotland for 1916. [Dr. Tocher and Mr. Boa take the places of Dr. Coull and Mr. J. I. Fraser.]

MEDICINES FOR DEPENDANTS' SCHEME.

The Committee appointed to inquire into this matter reported on the result of its inquiries, the conclusion being that the continued maintenance of a general scheme is no longer necessary or advisable, and that each area should be left to make any arrangement with the local Committee of the Soldiers' and Sailors' Families Association that the circumstances may seem to call for. The report was adopted, and it was agreed to forward the recommendation to the Council of the Society for consideration.

LOCAL ORGANISATION.

It was reported that since last meeting intimation had been received of the formation of the Leven, Methil, and District Chemists' Association in East Fife. A list of Divisional Secretaries for 1916 was submitted, there being three changes—viz., Mr. John Raffan (Huntly) was nominated in room of the late Mr. David Beatt; Mr. John Muir (Edinburgh), nominated in room of Mr. C. F. Henry, who has removed to Glasgow; and Mr. Donald McEwan (Edinburgh), nominated in room of Mr. Thomas Stephenson.

OTHER BUSINESS.

Messrs. W. L. Currie and J. P. Gilmour, who attended as delegates the meeting of the British Pharmaceutical Conference in London last July, submitted a report.

The position as regards the supply of rectified spirit to chemists was explained, also what is being done as regards hospitals, but nothing was added to what has already been published in the *C. & D.*

Mr. J. P. GILMOUR explained the present position in regard to the Departmental Committee on the Drug Tariff, and the position of Scottish pharmacists in view of the

arrangements to be made for pharmaceutical service during 1916.

Dr. R. Stewart MacDougall, M.A., F.R.S.E., has agreed to give the inaugural sessional address of the winter session of evening meetings on Wednesday, November 24, 1915. His subject will be "Insect and Arachnid Enemies in Camp, Trench, and Field," with exhibition of specimens and lantern-slides. It was remitted to the General Purposes Committee to arrange for one or two other meetings during the winter if found expedient.

The Executive considered the situation in regard to the Conference of English and Welsh Local Association delegates in London on October 20 and 21. It was remitted to the General Purposes Committee to consider whether Scottish pharmacists should not have some similar opportunity for conference, and whether Scottish pharmacists as a body should in some way be related to the Conference in London.

Under the National Registration Scheme registered pharmacists are unstarred, and all of them of military age are being served with the recruiting communication from Lord Derby, and large numbers have intimated that they are about to join the Colours. It was reported that in many districts it is becoming almost impossible to procure sufficient registered chemists to keep pharmacies open in compliance with the requirements of the Pharmacy Acts and of the Insurance Acts. Mr. W. L. CURRIE explained that the Society had been in communication with the War Office, and there had been some verbal understanding that no further enlistments of qualified chemists would take place, but apparently nothing further had been done.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

THE SUPPLY OF OPTICAL GLASS.

Sir P. Magnus is again raising the question of the supply of optical glass for the manufacture of optical instruments, and as to whether the amount produced in this country is sufficient to keep pace with the Government's full requirements.

CHLOROFORM AND THE FINANCE BILL.

Mr. Montagu (Financial Secretary to the Treasury) has informed our Parliamentary correspondent that he is unable as yet to announce any decision in regard to the position of chloroform and ether manufacturers under Clause 13 of the Finance Bill.

THE QUESTION OF FREIGHTS.

The Prime Minister announced in the House of Commons on Tuesday that the question of the present rates of freights has been under the consideration of a Committee of the Cabinet. Their recommendation has been adopted by the Government and will be carried into effect without delay.

THE PRICE OF QUININE.

In the House of Commons on Thursday Commander Bellairs put a question to the President of the Board of Trade about quinine having gone high in consequence of speculation. The reply was that since quinine had been placed on the export-prohibition list (see p. 35) the price has fallen.

DENTAL COMMISSIONS IN THE ARMY.

Mr. Tennant announced on Tuesday that dental commissions are granted on the recommendation of the Director-General Army Medical Service, who consults the heads of the various dental schools. He does not suppose his hon. friend seriously thinks it would be necessary to advertise for a Director-General.

BRITISH DYES, LTD.

The President of the Board of Trade informed Sir John Rees, in the House of Commons on October 23, that he has been informed by the directors of British Dyes, Ltd., that the volume of dyes produced in Read Holliday & Sons' works during the first nine months of this year has been more than double the output in the corresponding period of 1914.

FERTILISERS FOR FARMERS.

Mr. Acland informed Mr. Molteno, in the House of Commons on October 23, that the President of the Board of Agriculture has appointed a Committee to make arrangements to ensure an adequate supply of fertilisers for the use of farmers. The Sulphate of Ammonia Association is co-operating in a most public-spirited manner with the Board of Agriculture in making an arrangement under which sulphate of ammonia in reasonable quantities will be available to farmers for use as an autumn dressing at a very reasonable price.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Revised Medical Benefit Regulations.

The following is an epitome of the draft amendments to the Medical Benefit Regulations prepared by the National Health Insurance Commission (England) in order to give effect to the recommendations of the Departmental Committee on the Drug Tariff:

ARTICLE 1 (SHORT TITLE AND INTERPRETATION).—The expression "the sum carried to the credit of the Drug Fund" used in these Regulations is defined.

ARTICLE 2 (REVISION OF THE DRUG TARIFF) gives the Commissioners power to require alterations in the Drug Tariff to be made, and how the payments for drugs and appliances are to be calculated.

ARTICLE 3 (REVOCATION OF ARTICLE 39) of the principal Regulations, substituting for it the following Articles 4 to 8.

ARTICLE 4 (ACCOUNTS OF PERSONS SUPPLYING DRUGS AND APPLIANCES) requires (every person supplying drugs and appliances to furnish a statement of account on dates to be specified by the Commissioners, along with the forms upon which the orders are given by practitioners. Practitioners, other than those who get capitation fees for the supply of drugs and appliances, have to furnish similar accounts.

ARTICLE 5 (ADJUSTMENT BETWEEN DRUG FUND AND PRACTITIONERS' FUND).—(1) The Committee [i.e., the Insurance Committee in any area] has to assess on the 1915 basis (or any other that the Commissioners think necessary) the amount that would be paid for drugs and appliances (apart from capitation rate and temporary residents), and, with this as a basis, (2) assess the amount payable to practitioners in respect to insured persons to whom they supply drugs and appliances at the capitation rate, the amount being calculated from the number of persons on the doctors' lists and the number who get medicines, etc., from panel chemists. Anything in the Drug Fund exceeding the aggregate of (1) and (2), but not exceeding a fourth of the amount credited to the Drug Fund is to be carried to the Practitioners' Fund. The accounts and forms are to be submitted to the Panel Committee if desired, and the Committee shall consider any objection made.

ARTICLE 6 (PAYMENT OF CAPITATION FEES IN RESPECT OF DRUGS AND APPLIANCES).—The amount to be paid to each practitioner who supplies drugs and appliances to insured persons is to be ascertained from the figure ascertained by Article 5 (2), dividing this by the number of insured persons who are supplied by doctors; the result is the sum to be paid in respect to each insured person, but the sum must not exceed nor be less than three-fourths of the per-person amount in the Drug Fund.

ARTICLE 7 (FURTHER ADJUSTMENT OF DRUG FUND).—(1) Provides that if the amount ascertained by Article 5 (1) is less than three-fourths of the amount credited to the Drug Fund (apart from capitation-fee payments) the difference is to be credited to the Drug Fund of the succeeding year; but if the accounts were discounted in the preceding year the Committee may, with the consent of the Commissioners, divide rateably all or part of the difference to the contractors so discounted. (2) Provides for debiting or crediting to the Drug Fund the difference between any Parliamentary grant payable to the Committee and the amount of the drug and appliances accounts in the area plus administrative expenses of the Pharmaceutical Committee and supplies to temporary residents.

ARTICLE 8 (PAYMENT TO PERSONS SUPPLYING DRUGS OR APPLIANCES).—(1) The amounts payable to such persons are to be calculated according to the terms of the agreements, and each is to be credited in respect of the drugs and appliances supplied by him, with a proportion of any unused sum allotted by the Committee for the Pharmaceutical Committee's expenses, provided that such persons or the Pharmaceutical Committee may inspect the order forms and particulars of the amounts calculated, and the Committee shall consider any objection made. (2) The Committee is empowered to pay in advance in respect of accounts rendered a sum agreed between the Committee and Pharmaceutical Committee, the balance being paid on a date appointed.

ARTICLE 9 (REVOCATION OF ARTICLE 40).—The following provisions are substituted: (1) The Panel Committee will investigate the character and amount of drugs and appliances prescribed by practitioners, hear them, and report to the Committee, if need be, recommending the amount the practitioner is to be surcharged. The Committee shall hear what the practitioner has to say about it. (2) The Committee is to consider the matter and determine how much the practitioner shall be surcharged. (3) The practitioner is to be informed of the result within fourteen days, and has the right to appeal to the Commissioners. (4) The Panel Committee if dissatisfied may appeal to the Commissioners. (5) The Commissioners may require further evidence and remit the matter back.

ARTICLE 10 (CENTRAL MEDICAL BENEFIT FUND).—Modifies Article 42 by (1) revoking paragraphs (3), (4), and (6) as to supply of drugs and appliances to temporary residents. (2) Provides for any surplus in the Central Drug Fund above three-fourths of the credited amount being transferred to the Central Panel Fund; but if the surplus is more than a fourth the excess above a fourth is to be carried forward to the Central Drug Fund of the succeeding year. (3) Provides the calculation of the amount payable for the supply of drugs and appliances to temporary residents by persons or institutions. (4) The surplus in the Central Drug Fund after the (2) deductions is to be apportioned to the persons and institutions in (3).

ARTICLE 11 (METHOD OF PRESCRIBING DRUGS AND APPLIANCES).—(1) The Committee may, after consultation with the Panel Com-

mittee, prohibit "repeat" prescriptions after (2) fourteen days' notice.

ARTICLE 12 (QUALITY OF DRUGS AND APPLIANCES).—The drugs and appliances supplied are to be of a grade and quality costing the contractor prices approximating to those in the Tariff.

ARTICLE 13 (DATE OF COMMENCEMENT).—The 1st day of January, 1916.

This draft and other particulars regarding the 1916 agreements with doctors and chemists are discussed in an article beginning on p. 48.

FURTHER PARTICULARS.

At this week's meeting of the Council of the Pharmaceutical Society the following letter from the Commissioners was submitted. It will be observed that it asks the continued co-operation of the Society in monthly pricing of starred drugs, as well as co-operation in regard to the new system of pricing, the selection of national formulæ for stock mixtures, and cognate matters:

National Health Insurance Commission,
Buckingham Gate, S.W.,

November 2, 1915.

Sir,—I am directed by the National Health Insurance Commission (England) to refer to the recent interview at this office with a deputation from the Pharmaceutical Society of Great Britain, and to inform you that the Commissioners have had under their consideration the Drug Tariff shortly to be issued by Insurance Committees to chemists in connection with the arrangements for the ensuing year.

Certain points have arisen in connection with the working of the Tariff, as regards which the Commissioners are desirous of inviting the co-operation of the Pharmaceutical Society. These points are enumerated in the following paragraphs, and I am to ask you to be good enough to place them before your Council at an early date.

The Society will have observed that in Paragraph 8 on page 20 of the Report of the Departmental Committee a formula is given for the purpose of ascertaining, in the case of liquid drugs or preparations not specified in the Table of Drugs Prices the price per "pound" of 7,000 minims. It will be seen that a factor in this formula, which it is proposed to include in the Tariff shortly to be issued, is the specific gravity of the particular liquid drug or preparation to which the formula is applied; but as cases may arise in which some doubt may be experienced locally as to the correct specific gravity in an individual case, it is essential that some means of reference of the question of the fact for a final determination should be provided for. It appears to the Commissioners that a matter of this kind could most appropriately be referred to the Pharmaceutical Society of Great Britain for determination, and they are desirous of providing accordingly, by means of a clause in the Tariff, if the Society would be prepared to undertake the responsibility involved of determining such questions should they arise.

It is proposed to restrict the application of the reduced dispensing-fee of 2.3d, recommended by the Departmental Committee for certain liquid preparations to a number not exceeding ten, as in the case of the existing Tariff. The latter Tariff provides, however, that the selection is to be made from the local Pharmacopoeia, subject to agreement between the local Panel and Pharmaceutical Committees on the question whether the selected mixtures are capable of being stocked in bulk without deterioration, or, failing agreement, adjudication by the Commissioners. It appears to the Commissioners to be preferable that the selection should be made from a list of mixtures, etc., agreed upon centrally between representative bodies of chemists and doctors—viz., the Pharmaceutical Society and the British Medical Association—as being capable of being stocked in bulk without deterioration, and they propose to provide in the new Tariff accordingly. But before doing so they would be glad to be informed whether the Society would be willing to act in this matter. As in the case of the present Tariff, the clause in the new Tariff would provide for reference to, and adjudication by, the Commissioners in the event of disagreement arising between the Society and the Association in the case of any particular mixture or mixtures, etc.

I am to add that if the Society and the Association acquiesce in the foregoing proposal, the Commissioners propose to invite the representatives of the Society and the Association to a conference with them at this office at a very early date, with a view to the discussion and agreement, so far as possible, of the lines to be followed in the preparation of the list, in order to obviate the necessity for any frequent reference to the Commissioners at subsequent stages.

The Commissioners take this opportunity of informing the Society that, in accordance with the suggestion of the Departmental Committee contained in Paragraph 46 of

their Report, the new Tariff will provide for (1) the fixing of monthly prices of drugs, etc., asterisked as specially liable to fluctuation owing to the war, and (2) the revision during the year of the prices of other drugs, etc., should such revision be necessary. The clause in the Tariff dealing with these matters will provide for the Pharmaceutical Society being consulted by the Commissioners before they take action under either of these heads.

A further matter in regard to which the Commissioners proposed to consult the Society in connection with the new Tariff, should occasion arise, has reference to the method of pricing prescriptions. As the Society are aware, two methods were put forward by the Departmental Committee—viz., the ready-reckoner method and the alternative method described in Appendix VI. Since the publication of the Report other methods have been suggested to the Commissioners, who, however, up to the present have not had a sufficient opportunity of giving the whole matter the careful attention it deserves. In these circumstances the Commissioners are preparing the new Tariff on the assumption that the ready-reckoner method (which does not require the detailed consideration necessary in the case of alternative methods) will be employed. But since it is obviously desirable in the interests of all parties that if a more expeditious method can be devised it should be possible to adopt it forthwith, the Commissioners are providing accordingly in the new Tariff by means of a clause which allows the employment of any alternative methods approved by the Commissioners as producing a sufficiently close approximation to the ready-reckoner method. Under the clause which it is proposed to insert the Commissioners have undertaken to consult the Pharmaceutical Society before approving an alternative method, in order that the Society, as representing the pharmaceutical profession, may have an opportunity of satisfying themselves as to the equity of any alternative method which it may be proposed to adopt.

It will be within the knowledge of the Society that the existing Tariff, subject to such modifications as the Commissioners may think necessary, will continue in force after January 1 next for certain purposes concerning the doctors. The modifications which the Commissioners have in mind relate mainly to the revision in prices at the end of the year which would ordinarily have taken place, and to the subsequent monthly revision of the prices of asterisked drugs. The Society have hitherto, in conjunction with the British Medical Association, undertaken certain functions in these matters, and it would appear to the Commissioners to be convenient if the Society would be willing to continue to perform them. The Commissioners would be glad, therefore, to be informed whether they can rely on the co-operation of the Society in the matter. I am to add in this connection that the Commissioners propose to make the list of asterisked drugs in the existing Tariff identical with the similar list in the new Tariff.

I am, Sir, your obedient servant,

S. P. VIVIAN.

Reports from Local Centres.

With special reference to the supply of medicines and appliances. See also Associations' Winter Session.

ENGLAND.

Bolton.—The Panel Committee having approved of the Pharmaceutical Committee's estimate for administrative expenses for the second half of 1915, the Insurance Committee has decided to submit the estimate to the Insurance Commissioners for approval.

Bournemouth.—At a meeting of the Insurance Committee last week the Finance Sub-Committee reported that they had informed the Panel Committee that under no circumstances could the Insurance Committee pay more than one-third of the cost of the joint scheme for the checking and scrutiny of prescriptions. Complaints by chemists as to over-prescribing have led to Dr. C. R. Willans's resignation from the Secretaryship of the Panel Committee and from membership of the Insurance Committee. The resignation was accepted with regret. It was stated that the matter is under appeal, and a report will be submitted in due course.

Brighton.—The Insurance Committee considered on October 23 a complaint from a chemist that the prescribing of a certain doctor was prejudicial to him, and the letter was referred to the Medical Benefit Sub-Committee. This Sub-Committee reported that a balance of 173*l.* under the emergency settlement for 1914 was available for chemists, who had been paid 78.5 per cent. of their accounts (4,535*l.*). The Committee authorised payments to those chemists who accept the settlement. Councillor Yates (chemist) drew attention to the fact that chemists did not

intend to give up their position under Clause 40, and was informed by the Clerk that their rights as to the surcharge of doctors would not be prejudiced by accepting the settlement. Councillor Black (chemist) considered that the Committee was greatly at fault in not taking steps to check over-prescribing. He thought the Committee should surcharge any medical man whose prescriptions exceed 2*s.* per insured person. The report was adopted.

Bristol.—At a meeting of the Insurance Committee on November 2, the Joint Services Sub-Committee reported consideration of the case of a chemist who (*inter alia*) charged 11*½d.* per 8 oz. for a very large quantity of mist. salina during 1914, whereas all other chemists charged 5*d.* per 8 oz., in accordance with the formula of the Bristol Pharmacopœia. The Sub-Committee recommended that the chemist be severely reprimanded for the careless manner in which he had carried out his agreement with the Committee, and the lax way in which he had rendered his accounts. Further, that he be severely reprimanded for not obtaining satisfactory evidence from the doctor after the issue of the Bristol Pharmacopœia as to what was intended when mist. salina was prescribed. The Sub-Committee further recommended that the doctor be reprimanded for failing to take sufficient steps to satisfy himself when ordering mist. salina, after the issue of the Bristol Pharmacopœia, that the chemist supplied the same according to the proper formula. As much of the evidence was very unsatisfactory, the Sub-Committee recommended that no representations be made to the Commissioners. The Chairman of the Sub-Committee stated that when the Bristol Pharmacopœia came into force, the doctor and the chemist had a telephone conversation, but the two accounts of what occurred did not agree. He thought it possible that a mistake was made on both sides. The report was adopted.

Canterbury.—The Insurance Committee on October 26 passed payments to chemists of the full amount of their claims for the quarter ended September 30, and a further 15 per cent. of the amounts of the accounts for the first quarter of 1915. Messrs. Bing, Croft, and Lander have been appointed representatives of the chemists on the Pharmaceutical Service Sub-Committee.

Cumberland.—The Insurance Committee has passed a resolution protesting against the proposed changes in the remuneration of chemists, and asking the Commissioners to allow the present rates to remain in force in the area, as the members believe that the present rate of profit is fair and reasonable.

East Suffolk.—The checker reported to the Insurance Committee that during the second quarter of 1915 13,819 prescriptions (value 439*l.*, average cost 7.554*d.*, and average cost per insured person 4.139*d.*) were dispensed, compared with 26,840 prescriptions (value 818*l.*, average cost 7.32*d.*, and average cost per insured person 7.95*d.*) in the first quarter of the year. The average number of prescriptions per person on the doctors' lists was 0.543, against 1.08.

Huddersfield.—Eighteen chemists have accepted the emergency settlement for 1914, three have notified their intention to await a settlement in the ordinary course, and five have not yet replied. The Insurance Committee has authorised payments to the eighteen which reduce the discount for 1914 to 15 per cent.

Hull.—The Medical Benefit Sub-Committee has resolved that in future the Pharmaceutical Committee be supplied with periodical statements of the position of the Drug Fund, and that the prices of tablets be considered where the 1916 agreements are discussed. The name of Mr. V. H. Iddon was added to the list of chemists in place of that of Mr. L. S. Selle.—Mr. E. Haworth Earle presided at a meeting of panel chemists on November 2, when he and Mr. L. S. Selle reported on the Local Associations Conference, and particularly on the proposed new Drug Tariff. He stated that Mr. Selle and himself voted for continuing the present arrangements, as now they lose 10 to 15 per cent. by having their bills discounted, and he believed they would lose 20 per cent. if the proposed Tariff comes into force. In the course of the discussion Mr. T. Smith urged caution, and that they should take as optimistic a view as possible. He thought they had no longer the power of negotiation. Messrs. Spilman and Robson also took part in the discussion, the latter questioning if it is worth the while of chemists to undertake the work. On the motion of Mr. Buckle, seconded by Mr. Spilman, Messrs. Earle and Selle were thanked for the information they had given the meeting.—The Insurance Committee on Wednesday evening, November 3, considered the Commissioners' report on the charges against Taylor's Drug Co., Ltd., which, in the opinion of the Committee of Inquiry, ought not to have been made. In moving that the report be received, Alderman Askew, the Chairman, criticised it, and so did six

other speakers who followed, the impression being conveyed that it was doctors who complained, so that it was the duty of the Committee to investigate. Mr. C. M. Clark, in winding up the discussion, hoped that it would be distinctly understood that the Committee were far from making any complaint against the chemists of the city with whose attention they were well satisfied.

Huntingdonshire.—The Clerk informed the Insurance Committee, on October 25, that notwithstanding the increased cost of drugs, there is at present a credit balance in the Drug Fund.

Isle of Ely.—The checker reported to the Insurance Committee, on October 27, that 28 per cent. of the prescriptions were "repeats," some dating back a year, and it was quite impossible to check them. The Clerk stated that the Panel Committee had drawn the attention of practitioners to this matter.

Isle of Wight.—The Insurance Committee has passed payments to chemists of 80 per cent. of the amounts of their accounts for the quarter ended September 30, and of 4*l.* 14*s.* 10*d.* in respect of war-scheduled drugs supplied to December 31, 1914.

Kent.—The Finance Sub-Committee reported to the Insurance Committee on October 27 that they had authorised payments to chemists of the 1914 balances, amounting to 580*l.*, bringing the payments for the year to 19,456*l.* The Sub-Committee further reported that the Pharmaceutical Committee had examined the chemists' accounts, and had expressed satisfaction with the statistics relating to the Drug Fund compiled by the Committee's officials. Several questions regarding excessive prescribing have been referred to a Sub-Committee of four members. The Sub-Committee recommended that chemists' accounts for the third quarter of 1915 be paid in full. The Pharmaceutical Committee had applied for funds, and the Sub-Committee had directed the Clerk to deduct from the chemists' payments a voluntary levy not exceeding 1 per cent. The Sub-Committee also reported that certain chemists persistently submitted their accounts late. It was suggested that these should be penalised, and the Clerk had been instructed to inform the chemists that no advances would be made for the current year until the end of it, unless the outstanding accounts were received within seven days. Replying to a member, the Clerk stated that three of the four accounts in question had been received, and the fourth is still outstanding. The report was adopted. The Clerk reported that Messrs. J. Harcombe Cuff, J. E. French, and A. E. Hobbs had been appointed to serve on the Pharmaceutical Service Sub-Committee, and that the names of Mr. H. R. Gibbs (Margate) and Mr. F. Gallop (Tunbridge Wells) had been added to the list of chemists, while the names of Mr. J. E. Goodall, Beckenham (resigned), and Mr. J. J. Glover, Folkestone (deceased), had been removed from the list.

Leicester.—All panel chemists have accepted the emergency settlement for 1914, which brings payments up to 16*s.* 3*d.* in the pound.

Leicestershire.—The Insurance Committee on November 3 agreed to pay in full chemists' accounts for the last quarter of this year. The following statement as to prescriptions dispensed was submitted:

	No. of Prescriptions		Cost of Drugs	
	1914	1915	1914	1915
January ...	10,989	14,883	£340	£451
February ...	13,267	13,664	415	415
March ...	13,197	15,086	420	455
April ...	11,560	11,264	372	342
May ...	10,637	10,131	339	307
June ...	10,434	8,924	332	274
July ...	10,736	9,436	323	288
August ...	9,431	8,564	280	267
September ...	10,368	9,620	312	305

£3,133 £3,105

Middlesex.—Mr. W. S. Glyn-Jones, M.P., presided at the monthly meeting of the Insurance Committee in the Guildhall, Westminster, on November 1. Accounts passed for payment included chemists' claims for 1,063*l.* 13*s.* 9*d.*

Northamptonshire.—The Sanatorium Benefit Sub-Committee reported to the Insurance Committee, on October 30, that they had considered a representation by the chemists regarding the Tariff rates for certain articles supplied under Sanatorium Benefit, and are satisfied that the Tariff is unfair to chemists, causing them actual loss on certain prescriptions. They recommended that the checker be authorised to issue a monthly Tariff revised in accordance with the current prices of the preparations. Agreed.

Portsmouth.—The Clerk submitted to the Insurance Committee on October 23 a statement regarding the Drug Fund for 1915. Chemists' claims for the first three-quarters

of the year were estimated at 3,623*l.*, and the available total for the year at 4,793*l.*, thus showing 1,170*l.* for the fourth quarter's accounts. The Clerk therefore considered that there would be no difficulty in paying chemists' accounts for 1915 in full, as the fourth quarter will not exceed 900*l.* If so, 1*½d.* of the "floating sixpence" will go to the Panel Fund. The amount payable to chemists under the 1914 emergency settlement was 5,325*l.*, and all but five panel chemists have accepted it. Mr. T. Brewis (chemist) expressed gratification that chemists are likely to be paid in full. A letter was received from the National Association of Clerks of Insurance Committees, pointing out in regard to the proposed pricing of prescriptions by Insurance Committees that the incomes of Insurance Committees are barely sufficient to carry on the ordinary work. The Clerk remarked that in the case of Portsmouth the income is sufficient, and chemists contribute one-third of the salary of the checking clerk. It was reported that Messrs. T. O. Barlow and W. R. Atterbury had been elected to represent the Pharmaceutical Service Sub-Committee on the Joint Services Sub-Committee.—The Clerk has issued to the Insurance, Panel, and Pharmaceutical Committees a statistical report of the scrutiny of prescriptions for 1914. The number of prescriptions was 52,208, of a value of 5,822*l.*, and the average cost 8.34*d.* Thirty-four out of sixty practitioners had overspent the sum available per insured person (23.28*d.*) by amounts varying from 13*s.* 5*d.* to 212*l.*, calculated on the number of insured persons on their lists. The average number of insured persons on the doctors' lists during the year was 52,208, and the cost of drugs per insured person was 26.76*d.*

Salford.—The Insurance Committee has decided to accept the report of the Panel Committee recommending that no surcharge should be made on any of the sixteen doctors against whom excessive prescribing during 1913 was alleged, and the doctors in question will now receive payment of the balances withheld pending settlement of the question. It will be recalled that the first report of the Panel Committee was referred back by the Insurance Committee on the ground that it did not give sufficient detail, but the Panel Committee refused to amplify it. The report was then referred to the Commissioners, and in view of their reply the Panel Committee submitted a fuller report. The Insurance Committee was still in doubt and again referred the matter to the Commissioners, who pointed out that the matter was one for the Committee to decide. As a result the Committee has now decided not to make a surcharge in any of the cases.

Sheffield.—At a meeting of panel chemists in the Literary and Philosophical Society's Rooms on October 29, the Departmental Committee's report on the Drug Tariff was considered and, on the motion of the Chairman (Mr. H. G. Williams), seconded by Mr. J. S. Appleton, it was unanimously decided to accept the new Tariff, leaving details to the Executive Committee in London.—The Insurance Committee met on November 3, when the Clerk reported that he had received a letter from the Panel Committee as to certain orders for dressings which were submitted by the Pharmaceutical Committee. The Panel Committee admitted a certain amount of extravagance, but could not advise a surcharge against the practitioners, so the matter dropped. The Clerk reported that the amount available for chemists' accounts is 954*l.*, and recommended payment of 75 per cent. of accounts amounting to 734*l.* The following payments were ordered to be made: Monthly payments to chemists, 726*l.* 15*s.* 9*d.*, also for appliances, 11*l.* 4*s.* 7*d.*, and Pharmaceutical Executive Committee, 10*s.*

Shropshire.—The Commissioners have credited the Insurance Committee with 18*l.* 3*s.* 4*d.* for distribution to chemists in respect of war-scheduled drugs supplied to December 31, 1914.

Smethwick.—The Insurance Committee on November 2 confirmed payments on account to chemists of 383*l.*, or 97.5 per cent., for the quarter ended September 30, 1915, and 5 per cent. more (104*l.*) of the 1914 accounts.

Somerset.—The Finance Sub-Committee reported to the Insurance Committee, on October 30, that the cost of prescriptions for the second quarter of 1915 was 1,071*l.*, or 300*l.* less than in the corresponding quarter of 1914. The average cost per prescription was 7.4*d.* The Pharmaceutical Committee is in favour of a Joint Checking Committee, which the Medical Benefit Sub-Committee and the Panel Committee are to consider.

SCOTLAND.

Pharmaceutical Standing Committee.

The Pharmaceutical Standing Committee (Scotland) met at 36 York Place, Edinburgh, on October 27, Mr. Thomas Guthrie in the chair. There were present Messrs. Bell, Bennett, Cox, Drummond, Forbes, Giles, D. Gilmour,

Guthrie, Kitchin, McNab, McVittae, Reekie, Simpson, Yule, and J. P. Gilmour. A report was submitted on the deputation to Mr. Charles Roberts, M.P., and the Insurance Joint Committee (C. & D., October 23, p. 52). The report stated that after two prolonged conferences the deputation informed Mr. Roberts that, while anxious to maintain a national pharmaceutical service in war-time, Scottish panel chemists would be compelled to refuse if it is attempted to force acceptance of the utterly inadequate Drug Tariff proposed by the Departmental Committee, and that the policy of the General Council must be adhered to. The deputation urged that it is monstrous, under war conditions, when cost of materials, living, services, taxes, and all other contract prices have increased, to ask panel chemists to contract at rates 20 per cent. less than the pre-war rates of the present Drug Tariff. Ultimately the deputation succeeded in making such an impression that Mr. Roberts promised further to consider the matter. The meeting adjourned to meet, by request, the Scottish Insurance Commissioners, the following constituting the deputation: Messrs. Thos. Guthrie (Chairman), David Gilmour (Vice-Chairman), J. Bell (Edinburgh), F. W. M. Bennett (Arbroath), Wm. Cox (Glasgow), W. L. Currie (Glasgow), Wm. Doig (Dundee), R. G. Drummond (Falkirk), J. H. Fisher (Dunfermline), J. J. Forbes (Perth), William Giles (Aberdeen), J. P. Gilmour (Glasgow), W. S. Glass (Edinburgh), J. Jack (Arbroath), G. S. Kitchin (Glasgow), A. McMillan (Glasgow), W. G. McNab (Gorebridge), J. B. McVittae (Glasgow), John Muir (Edinburgh), Balfour Reekie (Hamilton), Charles Simpson (Aberdeen), David Storrar (Kirkcaldy), W. P. Wilson (Haddington), Thomas Yule (Cowdenbeath), and J. Rutherford Hill (Secretary). Sir James Leishman (Chairman of the Scottish Commissioners) having made a statement, a long conference ensued, on a proposal from Mr. Roberts to allow Scottish panel chemists to continue existing agreements, with a proviso that they should undertake to complete an inquiry as to the proper figure to be fixed for establishment charges by the end of April, and be prepared to make a new arrangement on the lines of the Departmental Committee's Report for the second half of 1916. The deputation expressed their inability to give a promise to consent to any proposal to upset the Drug Tariff arrangements during 1916. Sir James Leishman requested the deputation to put their decision in writing. The meeting having been resumed, it was unanimously resolved that the Standing Committee cannot entertain the proviso suggested by Mr. Roberts, and decide to intimate their position to the Scottish Commissioners as follows:

(1) That they must adhere to the policy embodied in the resolutions adopted by the General Council of Panel Chemists (Scotland) on October 15, 1915.

(2) That they are prepared to proceed with the inquiry specified in Resolution 6, and that, in so far as it relates to establishment charges, they are prepared to conduct an investigation on lines to be agreed upon between the Pharmaceutical Standing Committee (Scotland) and the National Health Insurance Commission (Scotland).

(3) That they desire the agreements for 1916 to be in precisely the same terms as for 1915, and cannot consent to any promise that the conditions will be altered at the end of the first six months or at any other specified period.

The Standing Committee has issued to panel chemists Appendix X. to the Drug Tariff. One new drug is added to the list of "starred" articles this month, and there are increases in the prices of thirty-three others. In an accompanying circular, the necessity of rigid economy is again impressed upon chemists. Copies of the recommendations of the General Council of Panel Chemists regarding the proposed new Drug Tariff are sent with the Appendix, and chemists are informed of the steps being taken in reference to the 1916 agreements.

Edinburgh.—Chemists have received 339*l.* for September, equal to 90 per cent. of the amount of their claims. The balances for April and May (46*l.* and 86*l.* respectively) have also been paid.

WALES.

Glamorgan.—A mass meeting of panel chemists in the area was held at Cardiff on October 27. Mr. A. Griffiths (Chairman of the Pharmaceutical Committee) addressed the gathering on Insurance service for 1916, and reported on the Local Associations Conference in London. Mr. Leo Joseph explained the manner in which the figures put forward by the Departmental Committee were arrived at. Both advised chemists to accept the decision of the Conference, and it was eventually agreed to do so, a resolution being passed that, while chemists protest against the remuneration proposed, they are prepared to undertake service on patriotic grounds.

Merthyr Tydfil.—Chemists' accounts for the quarter ended September 30 amounted to 467*l.*

Notes.

MR. W. S. GLYN-JONES, M.P., was appointed Hon. Treasurer of the National Association of Insurance Committees for the ensuing year at the meetings of representatives of Insurance Committees held in London on October 14 and 15.

THE POSITION IN SCOTLAND.—Our Dundee correspondent sends us a report on the matters, so far as they interest chemists, discussed at the annual meeting of the Scottish Association of Insurance Committees, held in Dundee last Saturday. The Association backed up Scottish chemists in their opposition to the Departmental Committee's proposals.

SIR ROBERT L. MORANT has written a letter to Major Astor, M.P., in regard to the position of panel doctors and chemists consequent upon the Commissioners' instructions as regards reserving a certain proportion of the Medical Benefit Fund. "All the Commissioners have done," says Sir Robert, "is to indicate to the various Insurance Committees the necessity of keeping on the safe side, the making of advances to the doctors and chemists during the year."

PRACTITIONERS ON MILITARY SERVICE.—The Scottish Insurance Commissioners have issued Regulations providing that an insured person whose name is on the list of a panel practitioner who is on November 30, 1915, absent on military service shall not be entitled to select another practitioner or method of treatment at the end of 1915, unless, in addition to giving the required notice, he satisfies the Medical Service Sub-Committee that he has reasonable grounds for desiring to be removed from the list of the absent practitioner.

AN INSURANCE COMMITTEE'S HANDBOOK.—The National Health Insurance Commission (Scotland) has issued a "Handbook for the use of Insurance Committees in Scotland" which deals with the following matters: General Scheme of Administration of the National Insurance Acts; (i.) Constitution, Procedure, Powers, and Duties of Insurance Committees; (ii.) Constitution, Procedure, Powers, and Duties of Sub-Committees of Insurance Committees; (iii.) Local Medical Committees, Panel Committees, and Pharmaceutical Committees; (iv.) Medical Benefit; (v.) Sanatorium Benefit; (vi.) Deposit Contributors; (vii.) Finance and Accounting of Insurance Committees; (viii.) General. There are twenty-five appendices, and a satisfactory index is provided. Copies of the book may be obtained in a few days by purchase, either direct or through any bookseller, from the Superintendent, Publications Department, H.M. Stationery Office, 23 Forth Street, Edinburgh, price 1*s.* (by post 1*s.* 3*d.*). It is a most useful book.

SCOTTISH CHECKING BUREAU.—Mr. A. B. Gilmour, Superintendent of this Bureau, has issued a memorandum (VI) dealing with recommendations to Insurance Committees designed to secure uniformity and efficiency in the system of pricing and checking throughout Scotland. Among the recommendations to Insurance Committees are: (a) Adoption throughout Scotland of the same wholesale list for ex-Tariff drugs; (b) adoption of a uniform list of approved emergency drugs and appliances for every area in Scotland, and that practitioners be required to adhere to it; (c) that repeat orders be abolished; (d) that proprietary medicines and preparations be disallowed, and that in no circumstances should secret remedies be paid for; (e) that a supply of medicines, etc., intended for a lengthened period should not be ordered at one time. Other suggestions chiefly relate to the manner in which prescriptions are written, the suggestions being with a view to securing legibility and uniformity.

Associations' Winter Session.

Cardiff.—A meeting of the Cardiff Pharmaceutical Association was held on October 28. Mr. Evan, President, in the chair. There were present eighteen members, and Mr. J. Murray, Hon. Secretary. Mr. Hagon gave a *résumé* of the deliberations of the Pharmaceutical Committee, the chief point of which was objection to the low rate of remuneration. Mr. Hagon referred to the conclusions arrived at in London, and said there is now no question of making a local bargain: the Tariff must either be accepted or the chemist must resign from the panel. He had worked out under the old Tariff the average total sum received from 3,000 prescriptions as 87*l.* 10*s.* Allowing 38*l.* 10*s.* for drugs, this leaves a balance of 49*l.* received as fees. Under the new Tariff the total sum received will be 32*l.* 10*s.*, exclusive of cost of drugs. The cost price of the drugs is taken at 3.10*d.* per prescription, or 44 per cent. of 7.03*d.* As Chairman, he advised the chemist to

sign on for another year. Mr. Joseph supported Mr. Hagon, and said if 90 per cent. of the chemists would come off the panel he would suggest to them to strike, but he knew that in London alone not 20 per cent. would come off. Mr. Jabez Jones objected to advice given. Chemists were bluffed into accepting the old Tariff, but if they accept the new Tariff they will be sacrificing their birthright. After further discussion it was resolved to take a canvass of panel chemists to see how many would resign if 80 per cent. of the chemists agreed to come off the panel. The report on the canvass is to be given on November 4.

Dewsbury.—A meeting of the Dewsbury Pharmacists' Association was held on November 1, when a paper was read by Mr. R. Broadhead, Batley, on "The Psychology of Quackery." Part of the paper dealt with patent medicines which the lecturer attacked. There was a short discussion.

Gloucestershire.—Mr. H. H. Hill presided at a meeting of the County Pharmaceutical Association held at the Plough Hotel, Cheltenham, on October 23, others present being Messrs. W. H. Hampton, T. T. Dolman, Arthur Hill, W. Griffiths, T. Hawley, James Bisset, T. B. Wickham, F. R. Bower (Cinderford), J. Bower (Newnham), H. B. Lloyd, J. McLanahan, Harold Miller, William Palmer, A. Lee Hall (Winchcombe), and C. H. James (Hon. Sec.). Messrs. Hampton and Dolman reported on the Conference in London last month, and a discussion followed on minimum retail prices. The Chairman submitted a list prepared by a special committee, and with a few variations it was adopted for submission to all members in business and company pharmacies so that if a unanimous vote be received an agreement may be signed, each district in the county making its own arrangement, although it was hoped that prices would rule generally.

Hull.—A special meeting of Hull pharmacists, called by the Hull Pharmacists' Association, was held on October 23 at the Métropole for the purpose of discussing the sale by chemists of proprietary articles, and of ascertaining the local feeling on the subject. The discussion was preceded by an address from Mr. H. W. Colley, member of the Council of the Proprietary Articles Trade Association. Mr. I. W. Chapman (President of the Hull Association) was in the chair. Mr. Colley said that some of the younger chemists did not realise the difficulties which had to be overcome before the P.A.T.A. could be placed on its present basis. The Council, however, would be glad to have any suggestions from chemists as to how the benefits of the Association could be increased. Mr. J. J. Spilman took up the point that chemists were not allowed to have a small buying section for the purpose of buying cheaply in quantity. This, he said, is an unprogressive attitude. He referred to the letter of Mr. W. H. Saunders in *THE CHEMIST AND DRUGGIST* (October 2, p. 61) in which it was stated that the present is an appropriate time for rearranging prices and profits on proprietary articles. Mr. Colley agreed with these views, but was afraid that uniformity of price of patent medicines is unattainable. In answer to Mr. A. Richardson, Mr. Colley said the question of printing the price on the packages is not being lost sight of. In further replies to questions, he said that, while there is a recognised percentage of profit as between manufacturers, wholesalers, and chemists, the P.A.T.A. endeavours to get as much profit as possible. There can be no question of the wholesalers "bossing the show," as they are always outnumbered at general meetings. Mr. Spilman said it seemed that the wholesalers had the balance of power in the conduct of the P.A.T.A. A resolution was then carried expressing appreciation of the work of the P.A.T.A., and asking that the representatives of the retailers on the Council should be increased. A vote of thanks was given to Mr. Colley for his address.

Leith.—The annual meeting of the Leith Pharmacists' Association was held in Wilson's Room on October 29. Mr. Noble (President) in the chair. There were also present ten members and Mr. G. D. Thomson (Hon. Secretary). The Hon. Secretary read his annual report, which was approved. The Treasurer submitted the balance-sheet, which was passed, and he was congratulated on the amount of the balance in hand. Mr. P. Nisbet (Secretary of the Pharmaceutical Committee) described the work this Committee had done during the past year. The present office-bearers were asked to remain in office for another year, and Mr. Fergan was elected a member of Committee in place of Mr. Robson, who resigned. Messrs. Heddle and Walker were appointed auditors. It was agreed to send a donation to the Benevolent Fund, and one also to the fund for the benefit of soldiers and sailors in Leith Hospital. Mr. Heddle proposed a vote of thanks to the President, who briefly replied, thanking the office-bearers for the support he had received. In the course of the subse-

quent proceedings it was stated that a number of chemists were closing at 8 P.M. instead of 9 P.M. This is due to the fact that the early closing during the summer was found to be such a boon.

Liverpool.—As briefly reported last week, Mr. H. Humphreys Jones, F.C.S., presided at a meeting of the Chemists' Association, held at the Royal Institution on Wednesday, October 27, when there was an excellent attendance. The customary *Miscellaneous Communications* dealt with the transit of medicines and drugs, and Dr. C. Symes referred to the death, on the battlefield, of Mr. Thomas H. Moore, chemist and druggist. He suggested that a letter of condolence be sent to his family. Mr. Moore had been in Dr. Symes' employ for over two years, and he spoke of him as being an ideal assistant. The President also said that Mr. Moore was one of the most gentlemanly students it had been his privilege to train. After the election of Mr. W. P. Evans as President, to take office on January 1, 1916, the President called upon Mr. James Mavor (Crewe) to address the meeting on *Lost Profits in the Drug-trade*. Mr. Mavor's discourse was full of "Jay Macksims," lively from beginning to end, and frequently piquant. He began by expressing his appreciation of the Association which he was addressing, saying, however, that he preferred reading *THE CHEMIST AND DRUGGIST* to listening to long speeches, and, as a matter of fact, chemists have no time to spare for meetings, which is the reason why they read the *C. & D.* so closely. He suggested that the Council should arrange for the meetings to commence at 7.30 P.M., transact business up to 8, and start promptly at that time with the paper of the evening, which should not take more than one hour, in order that a reasonable time for discussion should be possible. In examining the subject of lost profits, he said that one should not overlook the bright side of things, and in favour of chemists are the facts (1) that the public want them (chemists); (2) chemists are making profits, some of them big profits; (3) many men have perfectly secure positions; and (4) many lawyers, doctors, and parsons with assured social positions envy chemists their opportunities. Labour is the chief source of profit in the retail drug-trade, for without it less goods would be sold and fewer dispensing-fees made. When the sources of profit are shrinking, nothing but economy will save the chemist, and he showed the reasons why. In discussing why profits are lost, Mr. Mavor spoke strongly about the leaders of thirty years ago, who aspired to get a professional position for the whole trade, thus making, by too-advanced educational methods, many unfit for the art of trading. He mentioned ten past errors in this category on lines that he has on various occasions expounded in the *C. & D.*, incidentally bringing in his own curriculum. A new class of people are coming into the trade, chiefly birds of passage, including women, and there are too many superior persons in it who will not do the rough work. A good boy or girl who is worth employing beyond a year, honest, intelligent, and a good "three R's" scholar, is the right class for the drug-trade in a democratic country like ours, where the lowest may rise to the highest position. Mr. Mavor proceeded to speak about insurance dispensing, and gave the meeting statistics from his own trading. The whole discourse was appreciated by the audience, and it was much regretted that time prevented a full discussion. The Hon. Secretary moved, and Mr. W. H. Saunders seconded, a vote of thanks to Mr. Mavor, which was supported by Messrs. Wokes, Lomax, and Prosper Marsden, the last-named denying Mr. Mavor's statement that failures in the Minor examination amounted to 70 per cent.

London.—The annual meeting of the London County Pharmaceutical Association was held on October 28 at 17 Bloomsbury Square, W.C. The Vice-President (Mr. A. H. Jenkin) occupied the chair, and there was a good attendance. Mr. Keall moved the adoption of the annual report. Mr. Hearle seconded, and, after discussion, the report was adopted. Mr. Atkins, in reporting on trade matters considered at the Conference, gave the final form and explanation of the resolutions as adopted. Mr. Melbush introduced the subject of *Earlier Closing*, which had been already established in many districts in London. He pointed out that now is the time to take steps, as the public are automatically doing their shopping earlier, owing to the lighting restriction of the London streets and shops. In the general discussion which ensued, Messrs. Skinner, Brumwell, Wolff and Hearle (Northern), Ward (North-Eastern), Skues, Hunt, and Milner (South-Eastern), Widgey, Hall and Barrett (Western), Goode (Eastern), and Keall and Jennings (South-Western) were among those who took part. The majority of the speakers were in favour of earlier closing, and it was suggested that sub-district (borough) meetings were the best means of obtaining agreement and decision based upon local requirements. They supported the efforts made in dealing with important

trade matters, also in improving organisation. The Chairman, in introducing the report of the *Departmental Committee on the Drug Tariff*, pointed out (a) that 0.8d. was obtained as outside allowance for establishment charge, on examination of businesses submitted and promising to show large expenses; (b) that this figure is not payment for dispenser's or proprietor's salary, but is the establishment charge allowed on each order on a prescription-form; (c) that on the Peat figures the net profit on Insurance business was found to be about 33 per cent. in the businesses taken; (d) that Scottish business with average 1931, per annum Insurance work showed lower establishment charges than that of England and Wales with average of 300%. By far the larger number do around 25%, annually, and in such cases the establishment charges are almost negligible; (e) that the doctors' agreement will probably prove to be a matter which will extinguish friction; (f) that prompt and full payment was guaranteed. The Chairman then read the statement, which was signed by Mr. Roberts, M.P., and accepted by the Conference. The County Secretary (Mr. G. A. Tocher) then gave a report of the recommendations and decisions of the Conference relating to the report of the Drug Tariff Committee, and resolutions were adopted endorsing the action of the Conference and recommending every London pharmacist to go on the panel for 1916 on the terms arranged.

Middlesbrough.—A special meeting of the Middlesbrough Chemists' Association was held on October 23, a pleasing feature of the meeting being the distribution of "First-aid" certificates. The Chairman (Mr. C. W. Ploymann) considered the pass-list of 100 per cent. an achievement worthy of congratulation. Mr. E. Denis Owen furnished particulars regarding an advanced course of instruction, of which it is hoped members will avail themselves. In his report on the Associations Conference, Mr. W. R. Brackenbury (local delegate) mentioned that he thought the courteous reception of the pharmaceutical deputation by Mr. Roberts augured well for panel pharmacists. Their demands had been met, but the onus of demonstrating the inadequacy of the establishment charge had been thrust upon the chemist—the outcome of a discussion upon this point being that Mr. Woolcock should be invited to pay a visit, with a view to some enlightenment upon the matter. The Secretary (Mr. J. C. Thompson) reported that a room had been secured for the forthcoming meeting of the P.A.T.A. representative. Prices were arranged for broken-bulk patents.

Southampton.—The first of a series of addresses to local Associations, under the auspices of the P.A.T.A., was given at Southampton, on October 20, at the Bungalow, by Mr. John Keall, who was introduced by Mr. W. Martin (President of the local Association). Mr. Keall explained that the object of these meetings is to interest local Associations more in P.A.T.A. affairs, and by closer union of the members to improve the chemists' position as regards prices. He mentioned what Mr. Glyn-Jones, M.P., has done in regard to the new stamp-duties, also referring to the work of the Chemists' Defence Association. A critical discussion followed, in which Messrs. Martin, Ferryman (Hon. Treasurer), Gay, Hussey, Wride (Hon. Secretary), and others joined, and Mr. Keall replied. A letter was read from Mr. Gare (Lymington), suggesting that the time has arrived when manufacturers should place their minimum prices at face value. The feeling of the meeting was expressed in a resolution thanking Mr. Keall for his visit and address, and conveying to the Council of the P.A.T.A. the opinion of those present that the time is ripe to move for face value on all proprietary articles and a profit to the retailer of at least 25 per cent., and pledging the meeting to support the Council's efforts to obtain more manufacturers as members.

Torquay.—A meeting of the Torquay Pharmacists' Association was held at the Northcote Hall on October 27, but was more of the nature of a social evening than a business meeting. The attendance was small. Mr. J. Taylor, J.P. (President), was in the chair. Mr. F. March (Fellow Met. Society), who is the meteorological officer for the borough, gave an instructive account of the science of weather-recording, describing the various instruments used and comparing the value of different ones in the light of his experience. He produced records, going back a good many years, which show that for evenness of temperature, for coolness in summer and warmth in winter, Torquay has no rival, and laid particular stress upon the equability between night and day temperatures. Refreshments were afterwards provided.

FOR SEVERAL YEARS before the war Germany consumed almost 70 per cent. of the Chilean output of sodium nitrate, it being given out that there was a large increase for agricultural purposes. What about explosives?

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., November 4, 6.30 p.m.

THE slump in quinine due to the British Government prohibiting exports to all destinations has been the chief feature of interest in the markets this week. Otherwise little of interest has transpired. Synthetic chemicals show no important changes in values, but the demand is generally quiet. The imports of such products from America have fallen off owing to the high prices asked and the great scarcity on the other side. Opium alkaloids are very firm; druggists' quality of opium is very scarce and dearer. Castor oil is again higher. Chamomiles tend firmer; digitalis and gentian are very scarce, the latter being dearer. Lycopodium is more plentiful. Lemon and star anise oils are on the easier side. Menthol, Japanese mint oil, and American peppermint oil are dearer. Among chemicals, copper sulphate and sulphate of ammonia are dearer; potash prussiate is very scarce. Tartaric acid shows a further slight advance, crystals being almost unobtainable; citric is very dull. Quicksilver is firm at last week's advance. A large auction of drugs was held to-day. The principal movements have been as under:

Higher	Firmer	Easier	Lower
Acetanilide	Cloves	Cottonseed oil	Anise oil, star
Ammonia sulphate	Cocunut oil	(crude)	(c.i.f.)
	Gentian	Lemon oil	Balsam peru
Canary-seed	Linseed oil	Rhubarb	Cardamom-
Caraway-seed	Peppermint	Sarsaparilla	seed
Castor oil	oil (Amer.)	(Native Jam.)	(Bombay)
Gambier cubes	Soda nitrate	Turpentine	Quinine
Kola	Tartaric acid		(sec hands)
Linseed			Senna (Tinn.)
Menthol			
Mint oil (Jap.)			
Palm oil			

Cablegram.

NEW YORK, November 4.—Business in drugs is fair. Opium is unchanged at \$10.00 per lb. for druggists' quality. Peppermint oil in tins is firm at \$1.90. Menthol has advanced to \$3.50. Cartagena ippecacuanha is quoted \$2.35. Oil of sweet birch has advanced to \$3.50. Belladonna-leaves are dearer at \$1.40, and guarana has advanced to \$1.10 per lb.

London Markets.

ACETANILIDE has advanced to 6s. per lb. as large orders have recently been placed on this market. American prices have also advanced.

ACETYSALICYLIC ACID of B.P. quality is not easily obtainable at 45s. per lb., a certain proportion of that offered being below that standard, but all the same it finds buyers.

AGAR-AGAR.—The spot price for fair quality is 3s. 3d. per lb., which has been paid.

ALOE.—The exports from the Union of South Africa during August 1915 amounted to 22,299 lb. (2771.), against 19,004 lb. (1117.) during August 1914. For the eight months ended August the exports were 340,793 lb. (2,6771.), against 638,772 lb. (7,0471.) for the corresponding period of 1914.

AMMONIA SULPHATE.—London is dearer at 14l. 10s. per ton net, naked at works, for 25-per-cent. ammonia; Hull prompt, 24-per-cent., at 15l. 7s. 6d.; Liverpool is 15l. 10s., and Leith 15l. 12s. 6d. per ton in bags f.o.b., less 3½ per cent.

ANISE OIL, STAR.—For November-December shipment "Red Ship" brand is quoted at from 2s. 11½d. to 3s. per lb. c.i.f.

APOMORPHINE.—A fair quantity has been sold at from 51s. to 52s. per oz.

BROMIDES.—There is a good deal of profit-taking among dealers, but the prices are irregular, ranging from 15s. to 17s. 6d. per lb. for potassium, 15s. for sodium, and about 20s. for ammonium. Buyers are cautious in making purchases at the present inflated values which may not last long.

BUCHU.—The exports from the Union of South Africa during August 1915 amounted to 2,548 lb. (380%), against 630 lb. (126%) in August 1914. During the eight months ending August 31 the exports were 125,871 lb. (19,468%), against 141,125 lb. (26,473%) for the corresponding period of 1914.

CAMPHOR MONOBROMIDE.—Sales on spot have been made at from 17s. 6d. to 18s. per lb.

CAMPHOR (REFINED).—Sales of Japanese refined 2½-lb. slabs for November-December shipment have been made at 1s. 5d. per lb. c.i.f. and ¼-oz. at 1s. 6d. c.i.f.

CANARY-SEED is dearer, with sales at 77s. 6d. to 80s. per quarter for ordinary to good Morocco, but the bulk of the stock is being held off the market for higher prices.

CANTHARIDES.—Chinese to arrive are offered at from 4s. 3d. to 4s. 6d. per lb. c.i.f.

CARAWAY-SEED has advanced rapidly, and 56s. per cwt. has been paid for fair Dutch on the spot.

CASSIA OIL.—Business has been done in November-December shipment at 3s. per lb. c.i.f. for 80 to 85 per cent. c.a.

CASTOR OIL.—Hull make is much dearer, first pressing for January delivery being quoted at 47l. per ton, January-March at 45l., and April-June at 43l. in c.m.q. in Hull, usual terms. Finest medicinal quality is 70s. per ton over the price of firsts in barrels. Good seconds Calcutta on spot (Liverpool) is ½d. dearer at 6d. per lb., and near shipment is 4½d.

CELERY-SEED.—Spot is obtainable at 145s., but f.o.b. the higher price of 150s. is wanted.

CHAMOMILES.—Second pickings French have been selling at 130s. per cwt., for old crop 105s., and nice white 140s. to 145s. are the current quotations ex wharf.

CITRIC ACID.—A very dull market at 3s. per lb.

CLOVES are dearer, the sales of fair Zanzibar up to 8d. on spot; to arrive, October-December shipment has been sold at 6½d. to 6¾d., also November-January at 6¼d. to 6¾d. c.i.f., d.w., and sellers at 6¾d.

COCAINE.—Prices are unchanged, but there is more inquiry for export. Two tins of crude (83.3 per cent. Harrison) were bought in at 7s. per oz.

CODEINE remains firm at from 22s. to 23s. per oz. for the pure alkaloid, according to quantity.

COD-LIVER OIL.—Our Bergen correspondent writes on October 25 that the demand has fallen off and the price of 355s. per barrel for prime non-congealing oil is nominal. On the spot finest Norwegian non-freezing (1914) oil has been selling ex wharf at about 350s., and to come forward from 350s. to 370s. c.i.f. is quoted. In the drug-auction ten barrels of new non-freezing medicinal oil were limited at 350s.

COPPER SULPHATE has advanced a further 1l. to 2l. per ton to 37l. 10s. to 38l. for the usual Liverpool brands.

DIGITALIS-LEAVES are very scarce, at from 95s. to 100s. per cwt.

EMETINE HYDROCHLOR. has been in good demand, being largely employed in dysentery, and makers are very busy; from 4s. to 4s. 3d. per gram is quoted.

FENNEL-SEED on the spot is quoted at from 24s. to 26s. per cwt. as to quality.

FORMALDEHYDE.—The cheaper lots are being gradually cleared off the market at the present favourable prices.

GALLS.—Persian blue are practically exhausted; 95s. has been paid for green, with 100s. asked. There are no stocks of white.

GAMBIER.—Cubes have been steadily advancing for some time past, the spot value of No. 1 being about 56s. and No. 2 44s. per cwt.

GENTIAN.—Supplies have got much scarcer, whole not being obtainable under 35s. and cut 45s. to 50s.

GLYCERIN is in an extremely difficult position owing to the strict Government control, and very little is available in second-hands.

GUAIACOL CARBONATE continues very scarce, with sales at 62s. 6d. per lb.

GUM ACACIA.—Good pale soft Kordofan gum is very scarce; three bales of slightly yellowish were offered in sale to-day. The value of half-hard Sudan sorts is from 65s. to 67s. 6d. per cwt.

HEMP-SEED is dearer at 68s. per 366 lb. ex wharf.

HEXAMINE is offered at from 5s. 3d. to 5s. 6d. per lb.; spot supplies are plentiful.

IPECACUANHA.—The *Dunbar* from Buenos Ayres has brought 53 bales to Liverpool.

LEMON OIL is on the easier side, shippers quoting from 3s. 9d. to 3s. 10½d. per lb. c.i.f., and spot 4s. 3d. An important case dealing with a contract for lemon oil is reported in our legal columns (p. 41).

A Sicilian advice, dated October 23, states that the market is almost lifeless. The demand, both locally and from abroad, is practically *nil*, and prices have given way little by little. The pressings of new oil have, in some places, already begun, but only oil pressed from "verdelli" (an inferior oil) can be obtained as yet. However, some transactions have been closed also in good lemon oil for delivery to begin from December-January.

LINSEED.—Morocco is dearer, with sales at 66s. per quarter, and 67s. 6d. is now asked.

LIQUORICE-ROOT.—Russian decorticated sticks do not now appear to be obtainable below 70s. per cwt.

LYCOPodium.—Arrivals comprise 51 packages direct from Archangel.

MENTHOL shows a further slight advance, with spot sales of Kobayashi-Suzuki at 11s. 9d. and subsequently easing to 11s. 6d. For January-February shipment 11s. 9d. to 11s. 7½d. c.i.f. has been paid; February-March has also sold at 11s. 6d. c.i.f., and December-January at 11s. 9d. c.i.f. In the drug auction five cases Suzuki were limited at 11s. 9d.

METHYL-SALICYLATE is selling at from 12s. 6d. to 12s. 9d. per lb. on the spot.

MIST OIL.—Japanese dementholised is dearer, the sales including January-February at 3s. 6d. c.i.f., and sellers; a fair business has been done; spot sellers quote 3s. 5d.

MORPHINE.—Although permits to export are difficult to obtain, market remains very firm owing to the large demand, with price unchanged at from 13s. 3d. to 13s. 6d. per oz. for hydrochloride crystals, and 2d. more for powder. Diethyl hydrochloride has been selling at 18s. per oz. in small lots, and ethyl hydrochlor. at 20s. to 21s. per oz. for prompt delivery.

NUX VOMICA.—Business has been done direct to the United States at from 18s. to 19s. per cwt. c.i.f. New York for Bombay seed. The spot value is from 18s. to 20s., according to quality.

OILS (FIXED).—*Linseed* is 1s. dearer at 31s. 6d. in pipes and 1s. 3d. dearer at 32s. 6d. per cwt. in barrels on spot. *Cottonseed* is steady at 30s. 6d. to 30s. 9d. for crude in pipes on spot, 33s. 6d. for refined in pipes, and 37s. to 39s. for sweet refined in barrels. *Cocunut* is firmer at 44s. for Ceylon and 46s. to 48s. for Cochon on spot; London pressed is 37s. 3d. *Rape* is dearer at 38s. for ordinary brown crude, naked, and at 40s. to 41s. for British refined in barrels; Japan in cases is 35s. 3d. for September-October shipment c.i.f. *Soya* is firmer at 27s. 3d. c.i.f. on passage for Manchurian in cases; Hull (spot) extracted is 27s. 9d. *Lagos Palm* on spot dearer at 34s. 6d. spot, and in Liverpool 33s. to 33s. 6d. is quoted forward.

OPIMUM remains strong, with retail sales of Turkey druggists' quality at 35s. and 35s. asked. Persian is also a very firm market, fine 11 per cent. having sold at 23s. 6d. and 10 per cent. at 21s. Spot stocks of Persian are being reduced, but some further lots are close at hand. We note the arrival, per *Barbera* via Bombay, of 100 chests Indian and 71 cases Persian opium. In the drug-auction three cases of Persian (testing 9.71 per cent., Harrison) were sold at 19s. 6d. per lb.

PEPPERMINT OIL.—The spot price for American tin oil is from 9s. 3d. to 9s. 6d. per lb., being higher, and holders of H.G.H. are now asking 14s., London terms, with 13s. 9d. paid.

PHENACETIN.—We notice the arrival of 65l. worth of paracet-phenetidin from Switzerland; also ten cases from the same source.

PHENOLPHTHALEIN.—The production is more likely to increase in view of the larger output of carbolic products in America.

POTASH CHLORATE.—Small lots of ordinary crystals or powdered are obtainable at 1s. 5d.; chemically pure is extremely scarce.

POTASH PRUSSATE.—Very scarce, with sales at 2s. 9d. per lb. on the spot, and buyers. The present price ought to lead to an increased production as the profit must be large. The demand has also increased for prussiate of soda, which is selling at 1s. 9d. on the spot, but for next year's delivery 1s. 6d. has been paid.

POTASH SULPHO-GUAIACOLATE is extremely scarce, and from 70s. to 75s. per lb. would be readily paid by needy buyers.

POTASHES.—First Government brand Montreal potashes are quoted at 120s. to 125s. spot, and first American 100s.

PYROGALLIC ACID is tending firmer, the demand having increased, as many other developers are unobtainable. The spot price is 9s. for crystals and 8s. 6d. for re-sublimed.

QUININE.—A dramatic slump has taken place, owing to the Order in Council prohibiting the export of cinchonabark, quinine and its salts to all destinations. The intervention of the Government was not unexpected, and previous thereto a large speculative and export business was in progress, prices rising from 5s. to 6s. per oz., but on Monday a decline set in, which was accelerated later, and to-day (Thursday) there are second-hand sellers of the usual brands of sulphate at 4s. to 4s. 3d., but no buyers. The landings in London during October were 97,392 oz., and the deliveries 485,728 oz., leaving the stock on October 31 at 1,594,304 oz., against 2,773,232 oz. at the end of October 1914.—In our issue of October 9 a warning was given that the Government might be compelled to consider the question of prohibiting exports, but it appears to have been ignored in speculative circles.

SAGE.—Very fair arrivals are taking place from the Continent. Prices have recently been cheaper, but they now show an advancing tendency.

SALICYLIC ACID.—Spot parcels are being sold at 17s. per lb., but this price is not expected to remain in force very long, as, of course, the increased production which is bound to appear on the market presently ought to lead to a reduction in prices.

SHELLAC is steady, with a fair business on the basis of 71s. for usual standard TN quality; fine Orange is quoted 85s., and free AC Garnet 66s. Futures have been dull, the sales including December at 72s. 6d.

SOY is selling at 1s. 11d. per gal., duty paid, for Seuloong brand on the spot.

SULPHUR.—The conditions of the Sicilian sulphur-industry is depicted in gloomy colours by the "Technische Blätter," as a result of the war. The producers have made application to the Italian Government for financial assistance, and a general fall in prices is only prevented by the compulsory legal regulation of production. Stocks are said to have accumulated at the principal Sicilian ports.

TARTARIC ACID.—Very strong and dearer at 2s. 4d. per lb. for powdered, which has been freely paid. Crystals appear to be unobtainable.

TURPENTINE closes easier at 39s. 9d. per cwt. for American on spot.

London Drug-auctions.

Commercial Sale-rooms.

Mining Lanc. E.C., November 4.

At the auctions of drugs a very fair quantity offered, but the demand on the whole was poor, with the exception of Tinnevely senna and honey. Cape aloes was neglected. Balsam peru cheaper. Sumatra benzoin was quite neglected. Cardamoms met with an improved demand at full to better prices, but genuine seed was cheaper. Dragon's-blood neglected, the quality not being prime. Gamboge firm and scarce. Honey in demand at irregular rates. Ipecacuanha very firm. Kola dearer. Rhubarb in very large supply, and buyers hold aloof. Grey Jamaica sarsaparilla steady. Native Jamaica plentiful, but buyers quite apathetic. Tinnevely senna was ½d. to 1d. cheaper, and demand was steady. The following table shows the quantities offered and sold:

	Offered	Sold		Offered	Sold
Agar-agar	5	0	Buchu	22	1
Ajowan-seed	156	0	Calumba	487	0
Aloes—			Camphor (ref.)	137	0
Cape	103	24	Cannabis indica	7	0
Curacao (ck.)	1	0	Cantharides (Ch.)	7	0
Socotrine	1	0	Cardamoms and		
Zanzibar	12	0	seed	301	101
Anise	13	2	Cascara sagrada	749	104
Anise, star	49	0	Castorum	1	0
Anatto-seed	123	0	Chaulmoogra oil	6	2
Apricot kernels	13	13	Chiretta	5	0
Areca	20	0	Cinchona	12	0
Argol (Cape)	12	0	Cinnamon bark oil	4	0
Asafetida	10	0	Cocaine er. (tins)	2	0
Balsam peru	3	1	Coca-leaves	9	0
Balsam tolu	55	0	Cod-liver oil	10	0
Benzoin—			Colocynth apple		
Palenbang	5	0	and pulp	16	4
Siam	64	*2	Croton-seed	15	0
Sumatra	186	*10	Cubebs	29	0

	Offered	Sold		Offered	Sold
Cuttlefish-bone	78	0	Orange-peel	8	0
Dill-seed	65	0	Quillaia	9	9
Dragon s-blood	50	0	Rhubarb—		
Elemi	10	0	Chinese	301	3
Ergot	58	0	Ch. Rhap	26	16
Galangal	64	0	Sarsaparilla—		
Gamboge	4	2	Grey Jam	28	13
Guaiaicum	21	0	Honduras	23	4
Gum acacia	3	0	Lima	22	0
Gum acroides	1	0	Native Jam	48	5
Henna	9	0	Seedlac	100	0
Honey—			Senega	5	0
Cuban	49	49	Senna and pods—		
Haytian	84	64	Alex.	71	11
Jamaican	433	124	Tinnevely	809	613
Porto Rico	38	38	Squill	11	0
St. Lucia	21	21	Tragacanth	16	0
San Domingo	17	17	Turnerie	540	81
Ipecacuanha—			Valerian (Jap.)	62	0
Bahia	4	0	Wax (bees)—		
Matto Grosso	4	1	Abyssinian	730	40
Minas	2	1	Benguella	7	0
Jalap	5	0	China	5	0
Kamala	6	0	East African	889	369
Kavakava	18	0	East Indian	192	0
Kola	35	16	Grenada	2	0
Lime oil	2	0	Honduras	1	0
Menthol	5	0	Jamaica	83	0
Myrrh	20	0	Madagascar	4	4
Nacaeola fruit	7	0	Morocco	14	0
Nux vomica	99	0	Portuguese	58	0
Olibanum	140	0	West Indian	5	5
Opium	4	3			

* Sold privately.

ALOES.—Cape aloes was freely offered, but very little sold. Five cases of good hard bright firsts realised 34s., being unchanged, and for ordinary dull to fair seconds from 30s. to 31s. 6d. was paid, very drossy going at 29s.

ANISE, STAR.—A lot of 49 cases Chinese, part slightly mouldy, was firmly held at 80s., a bid of 79s. being refused for part.

APRICOT-KERNELS.—Thirteen bags of slightly oil-stained sold at 47s. per cwt.

BALSAM PERU.—A caso of genuine sold at 16s. 6d. per lb., being cheaper.

BUCHU.—Only one bale sold at 2s. 4d. per lb. for stalky and bronzy long. Round was limited at from 4s. to 4s. 6d. for yellowish and stalky to fair greenish slightly stalky, and for greenish ovals part stalky 3s. 6d. was wanted.

CARDAMOMS were in better demand, and full up to higher rates were paid for the better descriptions. Ceylon-Mysore good bold pale to fine pale sold at from 5s. 6d. to 6s. 1d., good bold and medium pale 4s. 2d. to 4s. 7d., bold medium ditto 3s. 6d. to 3s. 8d., small to medium 3s. to 3s. 4d., small pale 2s. 2d. to 2s. 6d., tiny pale 1s. 9d. to 2s., bold splits 2s. 8d., ordinary to fair brown and split and pickings 1s. 3d. to 1s. 9d., and seed, 2s. 3d. to 2s. 4d. Three cases of seed sold at 2s. 4d. per lb. for genuine Bombay seed, being 2d. lower, and various other lots sold at from 1s. 6d. to 1s. 8d. for grey and split, part spurious.

CASCARA SAGRADA.—A sale of 50 bags was made at 55s., and 44 packages of sea- and grease-damaged sold at from 35s. to 45s. per cwt.

CHAULMOOGRA OIL.—Two cases of guaranteed genuine (Parry) paste sold at 2s. 1d. per lb.

COLOCYNTH.—Four casks of inferior dull brown and very broken apple sold at from 4d. to 4½d. without reserve.

DRAGON'S-BLOOD.—Ordinary reboiled Singapore lump was obtainable at 19l. and pickings at 6l. 15s., dull bag-shaped lump at 7l. 10s. to 8l., and good seedy lump at 12l. per cwt.

GAMBOGE.—Firm. Two cases of Siam pipe of good orange fracture, slightly blocky, sold at 14l. 10s. per cwt., subject to approval.

HONEY was in good general demand at somewhat easier prices, good amber liquid Jamaica selling cheaply, whereas full rates were paid for common dark liquid. The sales included 49 casks Cuban at from 32s. to 35s. for fair to good pale set and setting; 46 packages Hayti at 39s. for nice pale set in cases, and 33s. for odd packages; 17 casks San Domingo went at 29s. to 29s. 6d. for brown set and setting, and 23s. for dark liquid; 38 casks Porto Rico sold at from 29s. to 30s. (one lot 30s. 6d.) for ordinary dark set and setting; 21 packages St. Lucia sold at 32s. for setting brown in cases, and 29s. for tierces and barrels, part ullaged. The principal offering of Jamaica comprised 369 packages, about half of which sold, the remainder being held for higher prices; good bright amber liquid

35s. to 36s., fair red liquid 32s. 6d. to 34s. 6d., ordinary brown liquid 31s. to 32s., very dark liquid 30s., palish to pale set 36s. to 39s. (subject), fair brown set 33s. to 35s., and ordinary brown set 29s.

IPECACUANHA.—Very firm; a single bale of fair bright Matto Grosso sold at 17s., a further three bales being available at the price; a box of Minas sold at 15s. 6d. Market privately is very firm at 17s. Minas is quoted 16s. Cartagena is scarce; 12s. 6d. was probably the last price privately. Fifty bales of ipecac. have arrived from Buenos Ayres to Liverpool, and the new lot of 30 bales Johore is now in the warehouse.

JALAP.—For five bags of small to medium Vera Cruz, slightly wormy (testing 8.1 per cent. resin, Harrison), a bid of 8½d. is to be paid.

KOLA sold at higher rates, including 17 bags fair dried Grenada, St. Lucia, etc., at from 5½d. to 6d.; small washed went at 5½d., part mouldy and sea-damaged 3½d. to 4d. per lb.

LIME OIL.—Two packages of hand-pressed Dominican were limited at 8s. per lb.

MYRRH.—Quiet at 55s. per cwt. for fair Aden sorts.

QUILLAIA.—Nine bags of crushed sold without reserve at from 49s. to 50s. per cwt.

RHAPONTICA.—Sixteen bags sold at 3d. per lb.

RHUBARB.—Quiet and in very large supply. A case of medium-sized Canton and High-dried mixed pickings sold at 1s. 1d. per lb. Two cases medium to bold round Shensi with three-quarter fair pinky fracture sold at 4s. The limit for bold round Shensi with three-quarters good pinky fracture is 5s.; bold round Canton of similar quality, 3s. 3d.; medium to bold flat High-dried with three-quarters good pinky fracture is obtainable at 1s. 3d.; and horny High-dried at from 8½d. to 10d., according to break.

SARSAPARILLA.—Grey Jamaica was steady, 13 bales selling at from 1s. 6d. to 1s. 8d. for part mouldy and damp to fair. A large quantity of Native-Jamaica offered, sales including five bales at 1s. for good red, 10d. for fair red, 8d. for dull red and part mouldy.

SENNA.—Tinnevely leaf met with good competition at irregular but generally lower prices compared with the previous sale, fair bold greenish leaf selling at 6d. to 6½d., sea-damaged 5½d., bold yellowish green 4½d. to 4¾d., ordinary small specky to middling greenish 3½d. to 4½d., common small brown and dark sea-damaged 2½d. to 3d. per lb. Pods, 3½d. to 4d. for ordinary dark, up to 5d. being wanted for good. Of Alexandrian, six bags of sweepings sold at 4¾d., and for five bales of half leaf 1s. 3d. was paid. A bid of 2s. 2d. is to be submitted for two bales of fair pale pods, the limit being 2s. 3d. Siftings were bought in at 8½d.

TURMERIC.—A sale of 72 bags ordinary, part wormy, Bengal finger sold at from 14s. to 15s. per cwt., subject.

VARIOUS DRUGS.—Thirty bales Japanese *Galien-root* were bought in at 60s. and 30 bales at 62s. 6d. per cwt., and five cases about fair Chinese *Cantharides* at 5s. 3d. per lb. Twelve cases Japanese refined *Camphor* were held at 1s. 6d. for slabs and 1s. 9d. for ½-oz. tablets. Three cases small to bold pale Turkey *Calocynth*, partly broken, were held at 1s. 3d.; 20 bags *Ajowan-seed* were retired at 25s., and 30 cases *Balsam Tolu* at 1s. 8d. per lb. For 100 baskets dark orange *Scedlar* 52s. 6d. was wanted; 21 packages *Guaiacum* were bought in at from 3d. to 5d. for low to inferior drossy block.

WAX, BEES'.—A large quantity of Jamaica offered, and held at 8l. per cwt. for the best lots, no sales being made. A lot of 360 packages remelted Mozambique sold at 7l. per cwt. for good even brown block. Five boxes Dominica sold at 6l. 15s. per cwt. Forty bags of inferior, part wormy and dark, Abyssinian sold without reserve, with all faults, at 4l. 2s. 6d. per cwt. Four packages of fair brown clean Madagascar block sold at 6l. 12s. 6d.

Arrivals of Chemicals, Drugs, etc.

During the period October 27 to November 2, inclusive, the following produce has arrived at the English ports stated. Goods in transit are not included. The figures denote packages where not specifically described:

To London.

Acetic acid (R'dam) pkgs. 13, blns. 52, (N.Y.) brls. 221
Acetone (Philadel.) dms. 1,173
Albumen (Shanghai) es. 143, eks. 144
Alcohol, wood (Philadel.) dms. 96
Agar-agar (N.Y.) bls. 40
Aloes (Aden) es. 9
Alum, chrome (R'dam) pkgs. 781
Alum, powder (N.Y.) cts. 50

Anise oil, star (H.Kong) es. 10
Annatto-seed (Java) 16
Antimony ore (Natal) 128
Apricot, kern. (N.Y.) 100
Arachis oil (R'dam) eks. 550
Argol (Onorto) pkgs. 161, (Lis-bon) 175, (C. Town) 144
Arrowroot (Halifax) 36, (Natal) 25
Arsenic (Oporto) brls. 85, (N.Y.) kgs. 212
Barytes (N.Y.) brls. 72

Boric acid (N.Y.) brls. 820, kgs. 200

Cadmium sulphide (N.Y.) es. 10

Calcium carbide (Gothenburg) dms. 2,000

Casearia sag. (Philadel.) 1,369

Casein (Bordeaux) 285

Cassia-bark (Suez) es. 100

Cassia oil (H.Kong) es. 15

Castor oil (Bombay) eks. 69

Cellulose acct. (Treport) eks. 45

Chemical prod. (Montreal) pkgs. 13, (N.Y.) pkgs. 83, brls. 50

"Chemicals and medicines" (N.Y.) pkgs. 389

Chillies (Bombay) 40

Cinnamon (Colombo) 100

Civet (Shanghai) pkgs. 5

Coconut oil (Singapore) pps. 29, pns. 42

Cream of tartar (Bordeaux) es. 81

Crocote (Paris) chys. 17

Dextrin (Rotterdam) 20

Drugs (N.Y.) pkgs. 35, (Philadel.) pkgs. 54

Egg-yolk (Shanghai) es. 143, eks. 144

Essential oils (Rotterdam) es. 11, (N.Y.) es. 30, (Amsterdam) es. 34, (Batavia) dms. 21

Fig syrup (Philadel.) es. 1,499

Formic acid (Rotterdam) blns. 36

Galls (N.Y.) bgs. 48, (Genoa) 1,456

Gelatin (Treport) eks. 39, es. 22

Glucose (N.Y.) 4,089

Glyco-thymoline (N.Y.) es. 721

Gum acacia (Aden) 81, (Suez) 58

Gum copal (Singapore) bkts. 111

Gum damar (Singapore) bgs. 442, es. 25, (Batavia) es. 58

Gums, undescribed (Bordeaux) pkgs. 87, (Bombay) es. 56

Indigo (Karachi) es. 5, (Java) es. 16

Jalap (N.Y.) bgs. 28

Kola (Java) 6

Lime-juice (Halifax) pns. 35

Linseed (Calcutta, etc.) bgs. 47,708, (Bombay) 9,156

Lithopone (Holland) 40, (N.Y.) 35

Lycopodium (Archangel) pkgs. 20

Magnesia carb. (Amsterdam) bgs. 40

Maize starch (Amsterdam) es. 700

Milk-powder (N.Y.) brls. 224

Mineral waters (France) es. 564, (Italy) es. 121

Myrrh (Aden) 12

Nux vomica (Sui-gon) 45

Olive oil (Bordeaux) es. 20

Opium (Bombay) es. 171

Palm-kernels (Lagos, etc.) bgs. 27,907

Pepper white (Singapore) 484, (Penang) black, 399, (Batavia) 2,050

Peppermint oil (N.Y.) es. 73

Perfumery (France) es. 47, (Philadel.) es. 15

Petroleum jelly (N.Y.) es. 266

Quinine sulph. (Amsterdam) es. 82

Rhubarb (Shanghai) es. 89

Roots, barks, herbs, etc. (N.Y.) pkgs. 87

Rosin (U.S.A.) eks. 4,000

Salt-petre (Calcutta) bgs. 4,052

Sarsaparilla (N.Y.) bls. 10

Shellac (Calcutta) 1,375; button 327

To Bristol.—Calcium carbide (Christiania) dms. 1,550; cream of tartar (Bordeaux) eks. 72; honey (N.Z.) es. 391; linseed (B. Ayres) cwt. 19,800; olive oil (Leghorn) bxs. 75, es. 10, ½ pps. 6; zinc oxide (N.Y.) 500. **To Folkestone.**—Chemical prod. (France) pkgs. 38; drugs (France) pkgs. 31; perfumery (France) pkgs. 87. **To Hull.**—Barytes (Italy) bgs. 400, sulphate, eks. 74; caraway-seed (Harlingen) 70; chemical prod. (Dunkirk) 188, (Gothenburg) brls. 45; farina (Rotterdam) 120; formic acid (Rotterdam) eks. 8, blns. 150, chys. 36; glycerin (Amsterdam) dms. 225; linseed (Archangel) 3,575; liquorice-juice (Naples) es. 157; lycopodium (Archangel) eks. 31; naphthalene (Rotterdam) brls. 6; olive-kernels (Leghorn) 500; olive oil (Naples) eks. 10; salt-petre (Christiania) brls. 31. **To Runcorn.**—Calcium carbide (Sparsborg) dms. 2,000. **To Southampton.**—Casein (Cherbourg) pkgs. 120; saccharin (Honfleur) es. 2.

Senna (Bombay) 25

Soda hypo. (N.Y.) kgs. 67

Soda oxalate (Treport) eks. 37

Soda peroxide (Christiania) es. 9

Soy (H.Kong) 50

Tartar (Bordeaux) 169

Tragacanth (Bombay) bgs. 18, es. 40

Turpentine (U.S.A.) eks. 9,720

Urea (Gothenburg) es. 13

Vanilla (Bordeaux) es. 12

Wax, bees' (N.Y.) es. 57, (Bombay) 170, (Spain) 19

Whale oil (So. Georgia) brls. 26,000

Zinc oxide (Holland) 465, (N.Y.) 1,580

To Liverpool.

Aniline-paste (Marseilles) brls. 500

Antimony ore (Halifax, N.S.) 102

Barytes (Barcelona) bgs. 2,402

Bromides (N.Y.) es. 6

Canary-seed (Seville) 150

Chemical prod. (N.Y.) brls. 62

Citric acid (Marseilles) eks. 5

Cochineal (L. Palmas) 11

Cod-liver oil (St. Johns, N.F.) eks. 148

Cod oil (St. Johns, N.F.) 1,896

Cream of tartar (Bordeaux) eks. 16

Cryolite (Copenhagen) eks. 220

Divi-divi (La Guayra) 309

Drugs (N.Y.) bxs. 61, es. 10, (Marseilles) es. 14

Formaldehyde (N.Y.) brls. 99, (Boston) 56

Glucose (N.Y.) brls. 347

Glycerin (Marseilles) dms. 20

Gum copal (W.C. Africa) 91

Gums, undescribed (Alexandria) 60, (Bordeaux) 50, (W.C. Africa) brls. 50

Honey (La Guayra) brls. 13

Ipecacuanha (B. Ayres) bls. 53

Leaves, dried (Marseilles) bls. 300

Linseed (Bombay) 123, (B. Ayres) 6,943

Lithopone (N.Y.) 105, (Rotterdam) 40

Mineral waters (Marseilles) es. 3,226

Mineral white (Bordeaux) 950

Olive oil (Bordeaux) es. 80, (Seville) brls. 361

Palm-kernels (Marseilles) bgs. 3,315, (W.C. Africa) bgs. 48,369, tons 51, ½ bgs. 435

Palm oil (W.C. Africa) eks. 1,375

Roots (N.Y.) bls. 16

Salt ammoniac skim. (N.Y.) brls. 45

Soda nitrate (Chile) 31,208

Tartar (Marseilles) eks. 50

Tartaric acid (Marseilles) eks. 50

Turpentine (U.S.A.) brls. 2,050

Waters, perfumed (Marseilles) pkgs. 62

Wax, bees' (W.C. Africa) pkgs. 59

Zinc oxide (Rotterdam) 130, (N.Y.) 570

To Manchester.

Acetic acid (Philadel.) brls. 239

Calcium phos. (Boston) pkgs. 40

Liquorice-paste (Philadel.) es. 50

Medicines (N.Y.) es. 105

Soda carbonate (Philadel.) dms. 350

Soda perborate (Rouen) eks. 20

Soda prussiate (Rouen) eks. 15

German Bromine.

The German Bromine Convention was automatically terminated on October 31, 1915, but it has been prolonged indefinitely. After January 1, 1916, however, all the participating firms have the option to withdraw, and it is probable that there will be some important secessions.

Heavy Chemicals.

Manchester, November 2.

A review of the heavy-chemical trade during the past month shows that manufacturers of all descriptions are in a strong position. There was not, perhaps, so large an attendance on the chemical side of the Exchange as usual, but business was reported good in all departments. It is expected that returns of exports and imports for October will show good results, notwithstanding obstacles to trading in many directions. The course of raw copper is again higher, and it is several pounds per ton more on the week. Sulphate is now quoted 37*l.* 7*s.* 6*d.* to 37*l.* 12*s.* 6*d.* per ton, delivered Manchester. Acetate of lime, although firmer, shows little change at 18*l.* per ton for brown and 29*l.* for grey. Alum is 20*s.* per ton higher on the month for all descriptions. White caustic soda and kindred products show little change. Bleaching-powder is about 30*s.* per ton higher on the month, at 11*l.* 10*s.* per ton for softwood casks, on rails. Green copperas is 5*s.* per ton higher at 30*s.* per ton in bulk. Lead-products have shown a sharp advance, and reliable quotations are difficult to obtain. Potash salts are not quoted generally, but the prices, when obtainable, are higher. Glauber salts showed little change on the month. In coal-tar products the general course is upward, but as a rule quotations are quite nominal. Sulphate of ammonia is higher at 15*l.* 2*s.* 6*d.* to 15*l.* 5*s.* per ton, on rails, Manchester. An important arrival at Manchester this week is 2,000 drums of calcium carbide for Runcorn.

Continental Drug and Chemical Markets.

The following notes chiefly refer to the Hamburg and Berlin markets under date up to October 13:—

ACETANILIDE is quoted at from m.350 to m.380 per 100 kilos. The future condition is unsettled.

AGAR-AGAR has been commandeered, so that it is only obtainable with special permission. First strip has been sold at m.785 per 100 kilos.

AMMON. CALB.—Makers have quite withdrawn from the market owing to scarcity and active demand. The actual prices vary between m.330 and m.350 per 100 kilos.

BALSAMS.—*Peru* is neglected and consequently cheaper at m.21 per kilo; synthetic *Peru* (*Perugen*) is at m.9.50.

BORAX.—Both crystals and powdered are offered in large quantities at about m.180 per 100 kilos. *Boric Acid* is very active, but only obtainable in small quantities at m.240.

BROMIDES.—At the end of September the prices in Germany were: Bromine, from m.200 to m.250; ammonium bromide, from m.175 to m.210; potassium bromide, from m.120 to m.150; and sodium bromide from m.150 to m.180 per 100 kilos.

CARBON TETRACHLORIDE is required in large quantities by the field-lazareths in the place of petroleum ether, which is unobtainable. It is very scarce and makers are unable to meet the demand, the prices for small lots being from m.190 to m.220 per 100 kilos.

CITRIC ACID is offered by makers at m.1.200 per 100 kilos, as the raw material is only obtainable at very high prices. Second-hand dealers offer at the much lower price of from m.750 to m.825 per 100 kilos, for lead free, and at from m.800 to m.875 for powdered.

CRESOL has considerably advanced, as the demand is extremely large and makers are unable to cope with it; from m.65 to m.70 per 100 kilos, has been paid for meta-cresol.

FENUGREEK-SEED is very scarce and the stocks in Germany are almost cleared; prices have advanced to from m.55 to m.58 per 100 kilos.

GUM ACACIA is very firm and active at higher prices—viz., m.190 to m.195 for natural Kordofan and m.205 to m.230 for selected.

LEAD ACETATE has been sold at m.115 per 100 kilos, for crystals.

LICORITE-JUICE is scarce and active at m.350 per 100 kilos, for Bassento.

SODA-SALTS.—The German Solvay-works intend to enlarge their factory at Pernburg in order to advance the daily produce of caustic soda by 4,000 cwt. to about 16,000 cwt.

TARTARIC ACID remains firm with an increased demand in consequence of the prohibition of exportation from Italy and France. From m.700 to m.725 is quoted for lead-free crystals and m.710 to m.735 for powdered, but prices are expected to advance.

THYMOL has been sold at m.75 per kilo.



Memoranda for Correspondents.

Communications should be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with.

Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest.

Correspondents are requested to write each query on a separate piece of paper. Every endeavour is made to reply to queries without delay, but insertion of the replies in "the next issue" cannot be guaranteed, nor, as a rule, can they be sent by post.

Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed, even when the writers use a "nom de plume."

Complete and systematic indexes of the "C. & D." are presented with the last issues in June and December each year. Every subject dealt with week by week is included, and correspondents are advised to refer to these and the "C. & D. Diary" before asking the Editor for information, so as to save time.

Man-depletion in Pharmacy.

SIR,—The editorial observations in your issue of October 30 respecting staff-depletion at drug-warehouses and chemists' shops through the activities of recruiting officers seems to me both cogent and timely. Clearly it is necessary, in the interests of public safety, to retain the services of experienced pharmacists where they are most useful. It is perhaps true that women with a dispensing qualification might do some of the dispensing-work under the National Health Insurance Act, but such duties comprise only a small portion of the usefulness of the practised pharmacist, more especially in the poorer localities. In these districts it may safely be said that the chemist is the "guide, philosopher, and friend" of the people, and but for his wide knowledge of conditions many a misadventure would ensue. Patent drugs, however efficacious when properly used, are highly dangerous in unskilled hands, and the experienced chemist is the one and only safeguard against daily disasters among the poor. His help in this respect is not due solely to academical qualification, but also to his acquaintance with the people and their requirements, which prompts him to make due inquiry when none would seem necessary to the inexperienced, though "qualified, dispenser." My own views in this connection are embodied in the accompanying circular-letter, addressed to the employés of the firm, and may be of interest to you.

Yours faithfully,

EMPLOYER. (22/24.)

[The circular-letter is a reply to inquiries by members of our correspondent's staff, and elaborates the views expressed by our correspondent in the above letter. The following passage is of more general interest:

"Some of our drug staff seem to me to have been very naturally, but unnecessarily, perturbed by an announcement that under conscription men would be compelled to serve, not for the period of the war, but for longer terms, and on a scale of payment and allowances less generous than in the case of volunteers. In Parliament, however, this suggestion has been declared emphatically to be unauthorised. Further, there does not appear any real ground for anticipating a need for conscription, as all requirements are being adequately met under the voluntary system. Even should compulsory measures be adopted, it is only reasonable to expect that they would be applied with discrimination, and that, while men might be enlisted from other occupations without any distinction whatever, the demands of public safety would ensure the positions of those engaged on necessary service in the drug-trade. Early in the war men were recruited for the fighting-line who were more useful in some skilled employment at home. It has been found necessary to send these back to their occupations, and it may be reasonably inferred that chemists will be kept where their technical skill is needed."]

The Patent-medicine Business.

SIR,—I should like, through your columns, to express my thanks for the large number of appreciative letters I have received from the trade concerning my letter, entitled "Patent-medicine Prices," inserted in your issue of October 2, p. 61. The suggested scheme I then outlined has

apparently met with much approval and quite confirms my own view that this scheme would, if not entirely abolish, at any rate lessen, the various anomalies and conditions of the patent-medicine trade, and conduce to the combined interests of the manufacturer, wholesaler, retailer, and the public. Its very simplicity, in my opinion, ought to commend itself to the consideration of the entire trade. I can conceive no simpler or better handling of patent medicines than, briefly—

Patent medicines sold at face value, a discount from the manufacturer to the wholesaler of, say, 30 per cent., and a uniform discount from the wholesaler to the retailer of, say, 20 per cent.

The public would be quite satisfied to pay the face value; the retailer, by having a fair margin of profit, would not take up the same hostile attitude towards them as at present; the wholesalers' invoicing would be simplified; and the manufacturers, I am quite sure, would benefit by the increased friendly relationship of the retailer. I would strongly urge the attention of the trade to this, in my opinion, most important matter.—Faithfully yours,

34 Hanover Street, Liverpool. W. H. SAUNDERS.

Profit on Patent-medicine Stamps.

SIR,—On taking up certain increases in price of patent medicines with my patent house I am informed that the increase is due to a 10-per-cent. interest charged on the extra patent-medicine stamps affixed. Are the retailers aware of this new source of income for wholesale houses, and are they willing to provide it? Supposing, for the sake of argument, that the wholesaler's stock is turned over once in three months. Are we prepared to pay 40 per cent. per annum on his outlay on patent-medicine stamps? It may be contended that when present stocks of patents held previously to October 20 are exhausted the increase will be discontinued. Granted. In any case the interest charged savours more of usury than interest, for the term of loan at most is two months, on which basis it is fatuous to talk of 10 per cent.; it is 60 per cent. per annum. Another point worthy of attention. Are a firm acting legally by selling patent-medicine stamps at a 10-per-cent. profit, even supposing they have the necessary licence to sell them? It may be contended that (1) the stamps are not sold; (2) that the increase is added to the wholesaler's profit on the goods. In reply to (1), 10 per cent. profit surely constitutes a sale? (2) I have the wholesaler's admission that it is an "additional 10 per cent. on the cost of the new stamps, considering it was necessary for us to sink . . . in the purchase of new stamps." Presuming average stocks will be maintained, and therefore the proportional outlay on stamps, the extra charge resolves itself into one of two alternatives: either it is justified, in which case we may rest assured it will be continued; or it is not justified, and if not in its continuance, therefore, *a priori*, not in its inception.—Yours faithfully,

Cowes. H. J. SADLER.

[The simple fact is that the P.A.T.A. requires wholesale vendors of certain proprietary medicines to sell them at 10 per cent. above the manufacturer's price, and this 10 per cent. had to be added to the additional cost (1½d., 3d., and so on) consequent upon the doubling of the duty. The same 10 per cent. has been charged since the inception of the P.A.T.A., for the fixed profit is on the stamped article. Mr. Sadler will, on reflection or study of the Medicine-stamp Acts, realise that his question about the sale of stamps does not arise.—EDITOR C. & D.]

Insurance Dispensing.

SIR,—I am instructed to state that my Committee proposes to offer organised opposition to the terms of the new Commercial Tariff. In this North Riding of Yorkshire area the accounts have been paid in full, and we strongly disapprove of the proposals, which will result in a marked decrease in revenue and net profit. I shall be pleased to receive letters from Secretaries of Pharmaceutical Committees and Association Secretaries who feel with us in this matter, in order that we may exchange views, which may be mutually beneficial. We have already mapped out a scheme and will gladly submit details. As this is a matter of extreme importance and urgency, it is requested that replies be despatched without any delay.

Yours truly,

W. ARTHUR SENIOR.

Secretary to N.R. Yorks Pharmaceutical Committee, as above; Hon. Secretary of Scarborough and N.R. Association of Pharmacists.

4 Castle Road, Scarborough.

SIR,—Is it too much to ask the Council of the Society to come out in the open and tell us plainly how this 0.8d. was arrived at? (1) The class of business taken; (2) whether the total gross expenses were taken and were divided (a) by the number of customers, (b) or by the number of

individual transactions? From a comparison of figures I am absolutely sure that in my case the proposed alteration is equivalent to a 30-per-cent. discount. I have the figures, and they can be produced at any time. Mr. Body's letter is very illuminating, and so were "MacPhelim's" figures; but the letter of Mr. Fairweather in your issue of October 9, taken in conjunction with the attitude of the "Pharmaceutical Journal," is enough to make one frantic. I doubt whether there is a dispensing business in England, be it the Army and Navy, Harrod's, or the largest shop of the greatest on earth, that attempts to dispense bottles of medicine at a "gross" profit of 2.8d., and I wonder what would be said by the management of these respective concerns if it were tried for a time. The most respected employer I was ever with, a staunch supporter of the Society and a great upholder of the traditions of the trade, used to say, "If a customer cannot afford a penny I will give it him, but I do not 'depreciate' myself to take a halfpenny." It has been left to the Society openly to advocate a policy of that kind.—Yours faithfully,

ANOTHER SINGLE-HANDED CHEMIST. (20/70.)

Mr. George Crocker, M.P.S. (Camberwell), claims to have foretold the result of the Conference in his letter in the C. & D., October 16, p. 53. The fourth resolution as to an adequate dispensing-fee was "moved by the President, seconded by Mr. Body, and carried. The order appears to have been entirely reversed on the second day, through two runners suddenly coming round the corner with the latest winner—viz., a letter signed by Mr. Charles Roberts, Chairman of the Insurance Joint Commission. Evidently the President and Secretary of the Pharmaceutical Society played their trump card at the right time, which threw the delegates off their guard and resulted in a verdict in favour of the Insurance Commissioners. The President informed the delegates that, after 'three hours' discussion, they had failed to prove to the Commissioners that they were entitled to more than 0.8d. for establishment charge. The facts will be the same six months hence as they are now, and we are asked to sign a contract with an IF and a BUT. Any Board-school boy would know better than to sign such a contract after the statements made by the President and Secretary of the Pharmaceutical Society."

Mr. R. Cecil Owen (Chester) says: "I agree with Mr. Body that a definitely constituted Federation is wanted 'to speak with one voice' and 'to stand or fall by the acceptance or rejection of a just demand.' That is just the constructive touch which 'Xrayser H.' lacks—just the remedy he himself ought to have suggested for the cure of that condition of things which resolves our Conference resolutions into nothing more than 'expressions of pious opinion.' But the evil does not stop there. If our meetings fail to produce pronounced benefits and begin and end in merely academic discussion, they become not simply negative, but positive evils. They become the means of dissipating valuable energy which ought to have been applied, with the aid of a scientifically constructed engine, to the attainment of definite ends sought for in clearly-mapped-out directions. All our enthusiasm is caused to waste itself in blowing whistles and in forcing open safety valves when it should be directed to the making of revolutions! Constituted as we are, how can we make good our aspirations? We have no machinery for putting into force any desiderata whatsoever. While we remain so poorly organised (and this in the face of recent German lessons), how can we expect to progress? I have pleaded again and again for the setting-up of adequate machinery for the weaving of our reforms. Facts are now beginning to plead to the same purpose. So long as we remain, organically, *in statu quo*, so long shall we continue to be plucked by the State, by the immediate public, and by each other. In the words of a well-worn witticism, unless we hang together we shall hang separately."

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Appreciations.

Subscribers to the C. & D., in renewing their subscriptions for another year, write as follows:

"Your journal is *sterling* value, and we should esteem it all the more these times, when its columns are open for free and unfettered discussion, no matter what the subject may be. With most grateful thanks."—(14/17.)

"The artist responsible for the painting 'To-morrow will be Friday' might well have depicted the pleasurable anticipation on any subscriber's face on a Thursday, looking forward to the welcome C. & D. by post on Friday."—(14/26.)

Prescription Puzzle.

"I should have sent 8 oz. sol. acid. carbol. gr. v. to 5ss. and half-dozen pil. calomel. c. coloc."—*T. Postlethwaite* (Southsea).

"This is my rendering: S. ac. phenici gr. 5 ad 5ss. cold. c. liq. cocci. M.d.u."—*R. T. Garton* (78 Plough Road, S.W.).

Legal Queries.

The majority of difficulties in regard to trade law are explained in the legal section of "The Chemist and Druggist Diary," 1915, beginning on page 405.

A. J. (20/12).—"Cold-mixture" is a dutiable title, because "cold" is a human ailment.

E. A. W. (182/71).—The rent of your shop, and not of the dwelling-house, is allowed as a business expense in your income-tax return.

W. T. C. (19/15).—As far as we are aware, a methylated spirit licence has not been required for the sale of solidified methylated spirit, although technically one is necessary.

Rhei (20/10).—An unqualified person who has not served a regular apprenticeship to a chemist may not sell "known, admitted, and approved remedies" unstamped.

Camrac (19/51).—The "Pharmacy" case was designed to prove that pharmaceutical chemists only may style their places of business "pharmacy," but the Court's decision was that anybody else, qualified or unqualified, may describe his business-premises as "pharmacy."

Miscellaneous Inquiries.

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas of them. When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how.

We do not as a rule repeat information which has been given in this section during the past twelve months, but give the reference to the issues in which the information may be found. If querists cannot refer to these they may obtain the numbers from the "C. & D." Office at the published price, usually 6d.

M. P. S. (6/32).—TAB. NUCIS VOM. Co., Lond. Hosp. Phar.:

Extract of nux vomica	...	...	$\frac{1}{6}$ gr.
Alcoholic extract of belladonna	...	...	$\frac{1}{4}$ gr.
Aloin	...	...	$\frac{1}{2}$ gr

Make a pill.

Felon (2/35) is a Yorkshire subscriber, and he asks, What is "FELON," a disease which occurs in cows there? ["Felon" is a name applied to various diseases according to the district in which they occur. "Murrain" is a similar term. By "felon" is usually meant stagnation and engorgement of the stomach, with impaction, flatulence, distention, loss of appetite, and occasionally inability to rise, which inability sometimes extends to partial paralysis. No hard-and-fast rule is laid down for treatment, as each case must be treated according to the diagnosis and symptoms. A safe FELON-DRINK may be prepared as follows:

Magnesium sulphate	...	...	1 lb.
Sodium sulphate	...	...	$\frac{1}{2}$ lb.
Powdered nux vomica and cubebs	...	...
of each	...	...	$\frac{1}{2}$ oz.
Powdered gentian and ginger	...	...
of each	...	...	1 oz.
Boiling water	...	...	1 quart

Mix all together, and when lukewarm administer the drench to the animal. If required half the dose may be given next day.]

Veterinary Chemist (234/12).—The preparation for external use on horses which you send (a teaspoonful to be mixed with 3 oz. of whisky and rubbed on the throat) is a methylated tincture of iodine, which it is illegal to make or sell.

T. S. S. (20/18).—(1) The loss of METHYLATED SPIRIT when stored in the original wooden barrels is small, and in ordinary circumstances is quite negligible. (2) You also ask if MORPHINE ACETATE that has become straw-coloured can be used for liq. morph. acct. or has the strength altered so that it is not reliable? [The acetate may be used with safety. Many years ago Mr. D. B. Dott investigated the matter and he proved this.]

A. W. & Co. (Cape Town) (1/26).—MANUFACTURE OF ACETYSALICYLIC ACID.—The details were given in the *C. & D.*, August 22, 1914, p. 33, to which you should refer, as we have not space to repeat the information.

Anxious (13/69), an unqualified man, forty years of age, has received LORD DERBY'S RECRUITING LETTER, and is anxious to obey the call. He would like to join the R.A.M.C. as a dispenser. Is he entitled to do so, having passed the old Preliminary and served a regular apprenticeship? [He is entitled to enlist in the R.A.M.C. and to work up to a position as dispenser. He might make special application to become a dispenser at the outset, although it does not follow that he will be accepted.]

S. L. R. (22/51).—Go to the nearest recruiting office for the advice you want, but we can assure you in advance that you are on a hopeless quest. The Army authorities are not looking out for young men of twenty trained in pharmacy for jobs that will suit them pharmaceutically. Try the R.A.M.C. by all means, but you must enlist as a private.

Subscriber (19/54).—RHEUMATISM IN A HORSE is a form of lameness which can be got rid of by treatment with doses containing 2 drachms of potassium nitrate and 4 drachms of potassium bicarbonate thrice a day. Salicylates and salicin are also useful but are rather expensive at present. The swollen joints should be blistered with liquid blister, but the horse must be laid up for this purpose.

A. D. & P. Chemist (238/54).—The safest ANTI-PARASITE TREATMENT OF WOOLLEN GARMENTS is to dust flowers of sulphur on them. Formaldehyde is useless, but an essential oil, such as oil of fennel, is serviceable. In the first volume of the *C. & D.* for this year we gave on nine occasions special information on this subject, also in the current volume. The balance of information is entirely in favour of flowers of sulphur being the most suitable parasiticide for pediculi. It is particularly desirable that the sulphur should be rubbed in the arm parts of the under-clothing; in fact, there is little to be gained by rubbing it anywhere else, as its efficiency depends upon exhalation of sulphur gases (through the heat and moisture of the body coming in contact with the sulphur), and clothing the body, as it were, with a shirt of the gas. Sometimes a small bag of flowers of sulphur is worn on the chest for the same purpose, and obviously it is of great advantage to rub the flowers of sulphur into the under-garment. About an ounce should be sufficient for a dozen shirts.

Ph.C. (243/45).—CLEANING GLASS NEGATIVES.—The film is removed by immersing the negatives in a caustic-soda bath—1 oz. of commercial caustic soda in a gallon of water—or you may prepare the bath extemporaneously by dissolving 3 oz. of sodium carbonate (washing-soda) in a gallon of water, adding to it 1 oz. of slaked lime, stirring well occasionally for an hour or two, and decanting off the clear liquor, in which immerse the negatives placed in an ordinary negative-rack. After standing overnight, immerse the negatives in plain water and scrape off the gelatin film.

Admirer (246/53).—If you turn up "Pharmaceutical Formulas," you will find that a section on CEMENTS begins on p. 508, and on p. 511 are several cements which are useful for ivory. There is no simple preparation for resilvering mirrors; that subject is also dealt with in "P.F.," p. 519.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Nov. 15, 1865.

What May we Sell?

SIR.—We chemists and druggists live in a state of glorious uncertainty nowadays, as you justly remark in one of your articles. We are sometimes blamed for advising our customers, and sometimes for withholding advice. With regard to "patent medicines," we scarcely know what articles (in the way of remedies) may not be brought under this head, and through our ignorance we may be mulcted in heavy fines. There seems to be a doubt in the minds of many of the trade whether orange quinine wine, when put up for sale, requires a patent-medicine stamp. I think you will be doing good service if you can set this matter at rest by giving your opinion upon the question, as none of us, I dare say, wish to be pounced upon. It appears to me that the proper way is first to warn us that we are doing that which is illegal, instead of punishing us for unwittingly transgressing the laws.

Yours very respectfully,

A YORK OUTSIDER.

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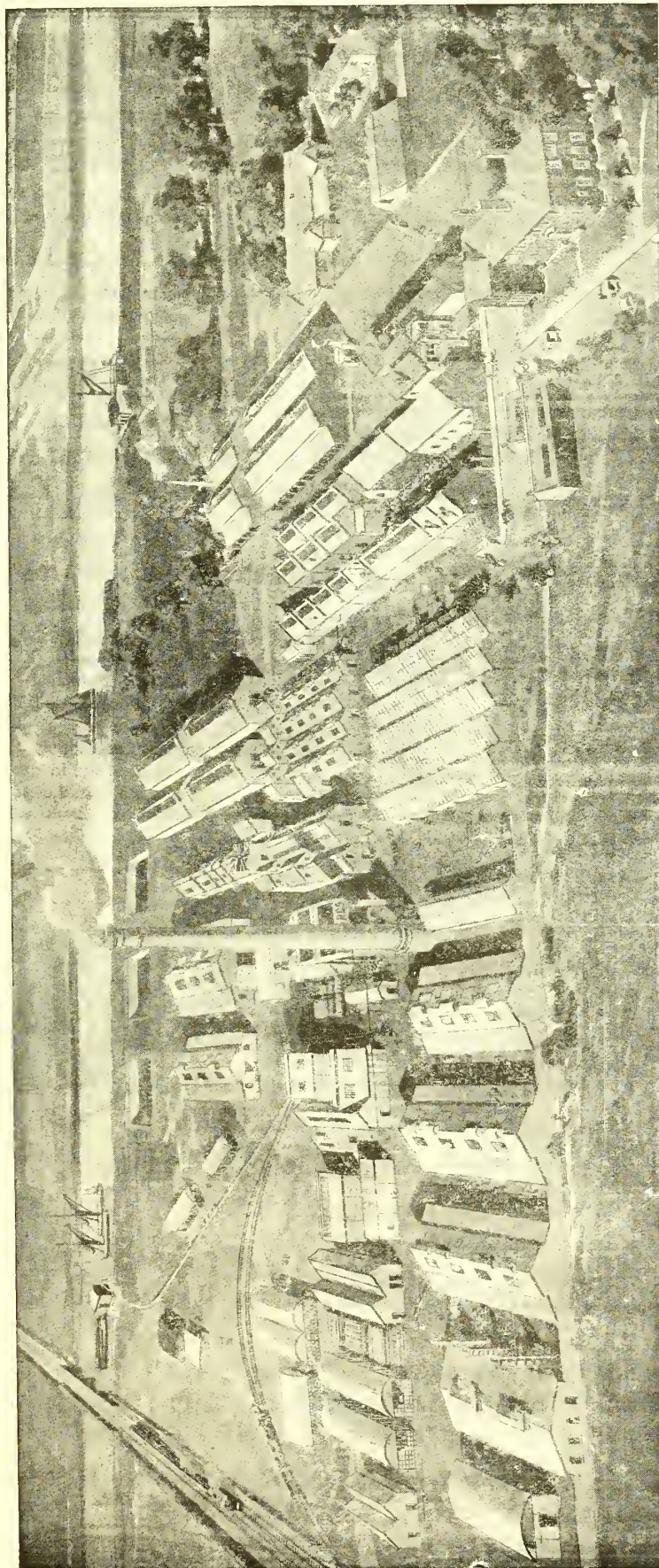
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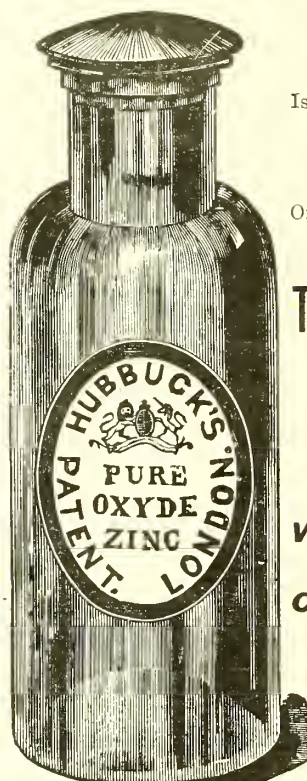
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Bismuth-Formic-Iodide Comp. Powder is indicated in all acute or chronic inflammations of the skin and subcutaneous tissues, such as exist in specific or non-specific skin diseases, ulcers, wounds, and suppurating surfaces, burns, scalds, abscesses, etc. It is of particular value in the treatment of chronic indolent leg-ulcers and in local diseases of a markedly inflammatory and



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Dissolves Uric Acid. A Treatment for Gout, Rheumatism, Arterio-Sclerosis, etc.
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A Standard Treatment for Diseases peculiar to Women. Regulates the blood function and prevents the disorders attending the Menopause.
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A Vaginal Antiseptic Agent. To be used twice daily for sex hygiene.
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N.B.—We would draw attention to the fact that all prices quoted herein are subject to alteration without notice, and that where stocks are limited preference is always given to our regular customers.

Fol. Sennæ Tinnev., 1 cwt. @ 7½d. lb.; 7 lbs. @ 8½ lb.; English Ground, 56 lbs. @ 1/- lb.; 7 lbs. @ 1/1 lb.
Formaldehyde, 40%, 4 cwt. barrels @ 4/- cwt.; 7 lbs. @ 11d. lb.
Fuller's Earth, fine powder or lump, 5 cwt. @ 7/6 cwt.; 1 cwt. @ 8/6 cwt.

Gallæ Cærul. Pulv., 7 lbs. @ 1/3 lb.
Gamboge, English Ground, 7 lbs. @ 3/10 lb.; 1 lb. @ 4/2 lb.
Ginger, English Ground, 1 cwt. @ 46/- cwt.; 7 lbs. @ 7d. lb.
Gingerine, Extra, 5 lbs. @ 13/- lb.; 1 lb. @ 13/6.
Glycerin, Opt. D.D., 1260 P.B., 1 cwt. @ 116/- cwt.; 56 lbs. @ 118/- cwt.; 12 lbs. @ 1/3 lb.
***Glycerin. Acid. Boric**, P.B., 6 lbs. @ 2/- lb.
 " **Acid. Carbolic**, P.B., 6 lbs. @ 1/7 lb.
 " **Acid. Tannic**, P.B., 6 lbs. @ 2/4 lb.
 " **Belladonna**, B.P.C., 6 lbs. @ 4/- lb.; 1 lb. @ 4/6 lb.
***Glycerin. Boracic**, P.B., 6 lbs. @ 1/5 lb.
 " **Pepsin**, Acid, P.B., 1 lb. @ 3/10 lb.
 " **Plumbi Subacet.**, P.B., 6 lbs. @ 1/9 lb.

Guaiacol Carb., 1 lb. @ 66/- lb.
Guaiacol, pure, 1 lb. @ 32/- lb.
Gum Acacia sorts, 3 cwt. @ 55/6 cwt.; 1 cwt. @ 59/6 cwt.; 7 lbs. @ 8d. lb.; English Ground Powder, No. 1, 1 cwt. @ 115/- cwt.; 7 lbs. @ 1/21 lb.; No. 2, 1 cwt. @ 90/- cwt.; 7 lbs. @ 11d. lb.
Gum Benzoin, Sumatra, 84 lbs. @ 1/10 lb.; 7 lbs. @ 2/- lb.
Gum Catechu Nig., English Ground, 1 cwt. @ 75/- cwt.; 14 lbs. @ 8½d. lb.
Gum Guaiaci, 1 cwt. @ 1/3 lb.; 28 lbs. @ 1/5 lb.
Gum Juniper, 14 lbs. @ 1/- lb.
Gum Thus Elect., 3 cwt. @ 40/- cwt.; 28 lbs. @ 46/- cwt.
Gum Tragac. Elect., English Ground, 7 lbs. @ 8/3 lb.; 1 lb. @ 8/6 lb.

***Heading (Frothing Ess.)**, 5 lbs. @ 1/3 lb.; Heliotropine, 1 lb. @ 11/- lb.
Hell-bore, White, Powder (Foreign Ground), 1 cwt. @ 45/- cwt.
Hexamethylenetetramine, 7 lbs. @ 6/6 lb.; 1 lb. @ 6/10 lb.
Honey, Pale Set, Jamaica, 3½ cwt. @ 44/- cwt.; 28 lbs. @ 50/- cwt.; Californian, ½ cwt. @ 57/- cwt.; 7 lbs. @ 8d. lb.
Hydargyrum, P.B., 10 lbs. @ 5/5 lb.; 1 lb. @ 5/10 lb.; Ammon., 28 lbs. @ 1/- lb.; c. Creta, 28 lbs. @ 2/5 lb.; Iodid. Rub. 28 lbs. @ 17/- lb.; Oxid. Rub., 28 lbs. @ 7/4 lb.; **Perchlor.**, Lump, 28 lbs. @ 7/7 lb.; **Subchlor.**, 28 lbs. @ 7/4 lb.; Sulph. c. Sulph., 28 lbs. @ 7/- lb.; 7-lb. quantities @ 1d. lb. extra, 3-lb. quantities, 2d. lb. extra, 1-lb. quantities, 3d. lb. extra.
Hydrokinone, 1 lb. @ 26/6 lb.

Ichthyol Ammon. chemical equivalent: Ammon. Ichthosulphonas, B.P. Codex, 7 lbs. @ 7/- lb.; 1 lb. @ 7/6 lb.
***Inf. Aurant. Conc.**, 1 to 7, 6 lbs. @ 1/7 lb.
 " **Aurant. Comp. Conc.**, 1 to 7, 6 lbs. @ 1/6 lb.
 " **Buchu Conc.**, 1 to 7, 6 lbs. @ 2/5 lb.
 " **Calumbæ Conc.**, 1 to 7, 6 lbs. @ 1/1 lb.
 " **Caryoph. Conc.**, 1 to 7, 6 lbs. @ 1/2 lb.
 " **Cascarilla Conc.**, 1 to 7, 6 lbs. @ 1/6 lb.
 " **Cinchona Acid**, 1 to 7, 6 lbs. @ 1/9 lb.
 " **Geniama Conc.**, 1 to 7, 6 lbs. @ 1/3 lb.
 " **Quassia Conc.**, 1 to 7, 6 lbs. @ 11d. lb.
 " **Rhel Conc.**, 1 to 7, 6 lbs. @ 1/8 lb.
 " **Rosæ Acid**, Conc., 1 to 7, 6 lbs. @ 2/6 lb.
 " **Senegæ Conc.**, 1 to 7, 6 lbs. @ 2/5 lb.
 " **Valerian Conc.**, 1 to 7, 6 lbs. @ 1/6 lb.

Insect Powder, Opt., English Grd., closed flowers; 7 lbs. @ 3/- lb.; English Ground, ½ closed flowers, 4d. lb. less; Foreign Ground, 28 lbs. @ 1/6 lb.
Iodoform Pulv. B.P., 7 lbs. @ 20/6 lb.; 1 lb. @ 21/- lb.
Iodum resub. B.P., 7 lbs. @ 18/9 lb.; 1 lb. @ 19/3 lb.
Isinglass, Brazil, fine cut, 7 lbs. @ 3/9 lb.; 1 lb. @ 4/- lb.; Russian finest, 7 lbs. @ 10/6 lb.; 1 lb. @ 11/- lb.; Ribbon or Sheet, 7 lbs. @ 2/9 lb.; 1 lb. @ 3/- lb.

Kamala, 7 lbs. @ 1/5 lb.; sifted, 1/9 per lb.

Lapis Pumicis, fine powder, 2 cwt. @ 11/- cwt.; 7 lbs. @ 2d lb.; lump, 2 cwt. @ 16/- cwt.; 7 lbs. @ 3d. lb.
Licorice Juice, 4 & 2-oz. Sticks, 1 cwt. @ 125/- cwt.; 28 lbs. @ 1/2½ lb.; 7 lbs. @ 1/3 lb.
***Llu. Aconiti Meth.**, 5 lbs. @ 1/7 lb.; 1 lb. @ 1/10 lb.
 " **Bellad. Meth.**, 5 lbs. @ 4/11 lb.; 1 lb. @ 5/2 lb.
 " **Camph. P.B.**, 40 lbs. @ 1/- lb.; 9 lbs. @ 2/- lb.
 " **Sapo Meth.**, 9 lbs. @ 9d. lb.
 " **Ter-h. Acet.** B.P., 5 lbs. @ 1/- lb.
Linseed c. Oil, Crushed, 3 cwt. @ 20/- cwt.; 1 cwt. @ 21/- cwt.
***Liq. Ammonii Acetatis Conc.** 1-7, 6 lbs. @ 1/- lb.; 1 lb. @ 1/3 lb.
 " **Ammon. Aromat.**, 6 lbs. @ 17d. lb.
 " **Antim. Chlor. Pure**, 8 lbs. @ 7d. lb.
 " **Arsenicalis**, B.P., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.
 " **Arsenii Hydrochlor.**, P.B., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.
 " **Bismuth**, P.B., 6 lbs. @ 1/6 lb.
 " **Copaiba Buchu et Cubeb.** 5 lbs. @ 2/11 lb.; 1 lb. @ 3/2 lb.
 " **Easton.** p.s. 1-3, B.P., 1 lb. @ 3/5 lb.
 " **Ferri Dialysatus**, 6 lbs. @ 10d. lb.
 " **Ferri Iod.** p.s., 1-7, 1 lb. @ 8/- lb.
 " **Ferri Perchlor. Fort.**, P.B., 7 lbs. @ 4½d. lb.
 " **Ferri Phosph. Co.** p.s., 1-7, 7 lbs. @ 1/7 lb.
 " **Hamamelidis**, B.P., 6 lbs. @ 1/2 lb.
 " **Hypophosph. Co.** p.s., B.P.C., 1 lb. @ 3/10 lb.
 " **Iodi Fort.** B.P., 5 lbs. @ 6/7 lb.
 " **Morphinæ Acet. or Hydrochlor.**, P.B., 6 lbs. @ 3/6 lb.
 " **Opil Sed.**, 5 lbs. @ 5/1 lb.
 " **Plumbi Subacet.**, P.B., 7 lbs. @ 5½d. lb.
 " **Pruni Virg.** p.s. 1-7, 5 lbs. @ 2/8 lb.
 " **Rheodios pro Syr.** 1 to 7, 5 lbs. @ 2/7 lb.
 " **Rhel** p.s., 1-7, 6 lbs. @ 2/3 lb.
 " **Santalii Co.**, 1 lb. @ 4/- lb.
 " **Sennæ Dulc.** 6 lbs. @ 1/5 lb.
 " **Sennæ pro Syr.** 1-7, 6 lbs. @ 3/4 lb.
 " **Strychnina Hyd.** P.B., 6 lbs. @ 1/8 lb.
 " **Tolut. pro Syr.** 1-7, 6 lbs. @ 1/9 lb.
 " **Trinitrini**, P.B., 1 lb. @ 6/6 lb.
Lithia Carb. B.P., 28 lbs. @ 6/4 lb.; 7 lbs. @ 6/5 lb.; 1 lb. @ 6/9 lb.
 " **Citras**, B.P., 28 lbs. @ 4/4 lb.; 7 lbs. @ 6/6 lb.; pulv., 3d. lb. extra.
Lycopodium, 7 lbs. @ 5/4 lb.

Mag. Calc. Levis, 1 lb. @ 1/4 lb.
Mag. Calc. Pond., 7 lbs. @ 1/10 lb.; 1 lb. @ 2/- lb.
Mag. Carb. Pond., 7 lbs. @ 11d. lb.
Mag. Carb. Levis, 1 cwt. @ 44/-; 7 lbs. @ 6d. lb.
Mag. Cit. Gran., 28 lbs. @ 1/- lb.; 6 lbs. @ 11 lb.
Mag. Sulph., fine druggists', B.P., 28 lbs. @ 3 l.
Manna, Good Flake, 14 lbs. @ 4/10 lb.; 7 lbs. @ 5/- lb.; 1 lb. @ 5/3 lb.
Menthol, dry white cryst., 60 lbs. @ 11/9 lb.; 5 lbs. @ 12/0 lb.

***Mist. Sennæ Comp.**, B.P., 20 lbs. @ 7½d. lb.; 6 lbs. @ 8½d. lb.
Morphinæ Acet. Hydrochlor. or Sulph., Pulv. B.P., 25 oz. @ 14/- oz.; 16 oz. @ 4/1 oz.; 8 oz. @ 14/6 oz.; 1 oz. @ 15/3 oz.; Pur. Præcip. Bimeconate or Tari, 1 oz. @ 19/- oz.
Morphinæ Diacetyl, 4 oz. @ 24/- oz.; 1 oz. @ 24/6 oz.; Hydrochlor., 6d. per oz. less.
Myrrh. Gum, English Ground, 28 lbs. @ 1/3 lb.; 7 lbs. @ 1/5 lb.

Naphthalene Candles, 7 lbs. @ 6½d. lb.
Nux Areca, 1 cwt. @ 55/- cwt.; 7 lbs. @ 7d. lb.; powder, English ground, @ 80/- cwt.; 7 lbs. @ 9½d. lb.

Ol. Amygdal. Ang., B.P., 9 lbs. @ 2/11½ lb.
 " **Ol. Anethi Ang.**, B.P., 1 lb. @ 7/6 lb.
 " **Ol. Anisi**, E.I., 66 lbs. @ 3/6 lb.; 16½ lbs. @ 3/10 lb.; 4½ lbs. @ 4/6 lb.; 1 lb. @ 5/- lb.
 " **Ol. Aurant.**, 12 lbs. @ 9/6 lb.; 1 lb. @ 10/3 lb.; not guaranteed absolutely pure.
 " **Oil of Bays**, genuine W.I., 1 lb. @ 14/6 lb.
 " **Ol. Cajuput.**, B.P., 21½ oz. hot. @ 4/4 lb.
 " **Ol. Camphor. Essent.**, White, 83 lbs. @ 85/- cwt.; 40 lbs. @ 90/- cwt.; Brown, 40 lbs. @ 120/- cwt.
 " **Ol. Caryoph. Ang.**, B.P., 9 lbs. @ 5/6 lb.; 4½ lbs. @ 5/7 lb.
 " **Ol. Cassia**, 16 lbs. @ 3/4 lb.; 6 lbs. @ 3/9 lb.
 " **Ol. Cinnamon**, 1 lb. @ 3/2/- lb.; 1 oz. @ 2/3 oz.
 " **Ol. Citronellæ**, 9 lbs. @ 2/3 lb.
 " **Ol. Coco Nucis**, finest White, 80 lbs. @ 56/- cwt.; 40 lbs. @ 58/- cwt.
 " **Ol. Eucalypt.**, B.P., 1 cwt. @ 1/6½ lb.; 28 lbs. @ 1/8 lb.; 9 lbs. @ 1/9½ lb.
 " **Ol. Geranii Gall.** Opt., 1 lb. @ 28/- lb.; 8 l-oz. @ 2/3 oz.; 1 oz. @ 2/6 oz.; Turc., 1 lb. @ 12/6 lb.; 4 ozs. @ 15/- lb.
 " **Ol. Gynocardia**, 5 lbs. @ 4/- lb.; 1 lb. @ 4/3 lb.
 " **Ol. Juniperi Ligne Exot.**, 9 lbs. @ 7/- lb.
 " **Ol. Lavand. ab Flor.**, 5 lbs. @ 13/6 lb.; 1 lb. @ 14/6 lb.
 " **Ol. Menth. Pip.** English, 5 lbs. @ 35/6 lb.; 1 lb. @ 36/6 lb.; Hotchkiss original hot., 21 oz. each @ 14/6 lb.; 6 bots. @ 14/3 lb.; 18 bots. @ 14/- lb.; American, 20 lbs. @ 9/6 lb.; 4½ lbs. @ 10/2 lb.; 1 lb. @ 10/9 lb.; Japanese, 60 lbs. @ 3/7 lb.; 5 lbs. @ 3/10 lb.
 " **Ol. Morrhuæ**, 1915, finest non-freezing, 2-gall. tins @ 14/- per gall.
 " **Ol. Myrrane**, 9 lbs. @ 7/3 lb.
 " **Ol. Myrticæ**, 7 lbs. @ 4/3 lb.; 1 lb. @ 4/6 lb.
 " **Ol. Nucis Pallid.** 2 gall. tins @ 6/11 gall.
 " **Ol. Olivæ**, P.B., good yellow, guaranteed pure, 45 gall. barrels @ 5/2 gall.; 2 gall. tins @ 6/6 gall.
 " **Ol. Origanii Rub.**, Coml., 28 lbs. @ 1/10 lb.; 9 lbs. @ 2/- lb.
 " **Ol. Peach Kernel** (so-called) 1 cwt. @ 1/3 lb.; 56 lbs. @ 1/4 lb.; 9 lbs. @ 1/6 lb.
 " **Ol. Pulegii** B.P., 5 lbs. @ 6/6 lb.; 1 lb. @ 6/10 lb.
 " **Ol. Ricini Alb.** Opt. Medicinal, 44 lbs. @ 74/- cwt.; 9 lbs. @ 9½d. lb.; for export, 1 cwt. drums recommended.
 " **Ol. Rosmarini**, Coml., 28 lbs. @ 1/6 lb.; 9 lbs. @ 1/7 lb.; B.P., 9 lbs. @ 2/5 lb.; 1 lb. @ 2/9 lb.
 " **Ol. Santal. Flav.** Ang. B.P., 5 lbs. @ 27/6 lb.; 1 lb. @ 28/6 lb.
 " **Ol. Sassafras**, genuine, 28 lbs. @ 3/3 lb.; 1 lb. @ 3/8 lb.
 " **Ol. Theohromæ**, B.P., 8-oz. tabs., 28 lbs. @ 2/1 lb.; 7 lbs. @ 2/3 lb.
 " **Ol. Wintergreen**, Artificial, 5 lbs. @ 14/- lb.; 1 lb. @ 14/6 lb.
Opium Turc. B.P., 14 lbs. @ 3/6 lb.; 3 lbs. @ 37/6 lb.; 1 lb. @ 38/- lb.; powder, 6d. lb. extra.

*Minimum quantity at these prices; Home Trade, 3 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted.
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FOR TREATMENT OF WOUNDED IN WAR

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ACTUAL MANUFACTURERS
Our Malt Extract keeps indefinitely. It is
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By Royal Warrant
To H.M.
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To H.M.
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Best and Safest Disinfectant.

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(In metal boxes, 2/6 per doz.)

For destroying all body parasites in the trenches.
Prepared in accordance with Dr. Monckton Copeman's recommendation.

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Identical in composition with original German
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THE MINIMUM PRICES ARE FIXED AT:—

Retail	9d. size at 7/9 each.	Wholesale	9d. size at 7/9 doz.
Do.	1/3 " 1/1½ "	Do.	1/3 " 11/6 "
Do.	2/9 " 2/6 "	Do.	2/9 " 25/- "

We have made no alteration in the price of 2/9 size.

Orders for £2 and upwards, Carriage Paid. Orders for £5 and upwards, subject to 5 per cent. discount.

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J.D. PRODUCTS ARE GOOD TRADE MAKERS.

FORMALIN THROAT TABLETS.

Mint, Rose, Lemon or Menthol Flavour.

In amber bottles, each 50 tablets, 5/6 per doz. In bulk 2/6 per lb.

*QUININE & CINNAMON OIL PERLES.

Each containing: Quinine Suppl. gr. i. and Ol. Cinnamon, B.P. mj. In fancy decorated tins, each 24 Perles, 6/6 per doz. Minimum retail, 1/- per box.

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Twenty-four capsules, each containing the equivalent of 60 m. Tr. Ammon. Quin. B.P. packed in neat decorated tins for the pocket. 6/6 per doz. Minimum retail, 1/- per box.

ANTISEPTIC CINNAMON & FORMALIN LOZENGES.

A very effective combination with great antiseptic properties. In screw-cap bottles, each 50 lozenges, 6/- per doz. In bulk, 2/6 per lb.

ANTISEPTIC THROAT PASTILLES.

Thyme, Eucalyptol, Menthol, Gaultheria, Licorice, Terebene and Pine Oil.

In bulk, 1/6 per lb. free tins. In glass show jars, each 6 lb., 10/- inclusive. 1-oz. tins, 2/- doz.; 2-oz. tins, 3/6 doz.; 4-oz. tins, 6/6 doz.

*PLATYPUS BRAND OIL OF EUCALYPTUS GLOBULUS.

5-lb. tins, 2/3 lb.; 10-lb. tins, 2/2 lb.; 25-lb. tins, 2/- lb.; 3d. bottles, 1/10 doz.; 6d. bottles in cartons, 4/- doz.; 1/- bottles in cartons, 8/- doz.

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The Original Pine-Tree Lozenge.

2-oz. tins, 3/9 doz. Minimum retail, 7½d. per box.

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Invite the Trade to take up the following valuable P.A.T.A. Protected Lines, bearing a very large Protected Retail Profit, which sell freely and are well known and valued by the Public in many parts of the country.

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*LOSALL'S SALT (well advertised), tins	6d.	3 6
* " " " " " "	1/-	7/-
* " " " " " bottles in cartons	1/6	10/6

* Losall's Salt sells so well, surely it must pay Pharmacists to stock such a big profit-bearing protected line.

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A valuable emollient medicated skin soap, especially suitable for use in Eczema } 1/- 8/-

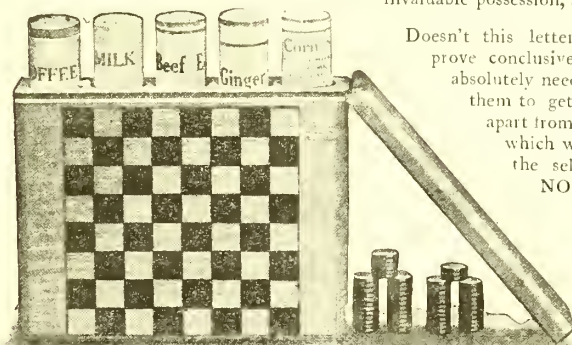
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BY SELLING THE
"NUTSHELL
CANTEEN." WILL
YOU?

Read this Letter.

"In a wee, poky loft in France,
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"I feel that I must thank you most warmly for the Canteen received a short time ago. It is really a most excellent invention and the handiest I have ever seen that has been brought out specially for the use of soldiers on active service; it is so compact and in every way admirably suited for the purpose for which it is intended. Once or twice I have had a strong desire for a cup of tea, and would, I am afraid, have had to go without had it not been for the Canteen, which only required one to boil some water and to drop a tea tablet in with some milk and a saccharin tablet from the Canteen in order to have a cup of splendid refreshing tea; and that is but one of the many uses of the Canteen. Suffice it to say that I look upon it and prize it as an invaluable possession, and one which will accompany me wherever I go."



Doesn't this letter—which, by the way, is but one of many—prove conclusively that every one of our brave men at the Front absolutely needs the "NUTSHELL CANTEEN"? Will you help them to get one by selling them to your customers? And, apart from the patriotic side, they yield a generous profit, which will put money into your pocket; so, "Get into the selling line to help the fighting line!" Write NOW for full particulars and prices.

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**DISORDERS of the LIVER, GOUT,
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Two or three Pastilles after each meal facilitate Digestion.

CAUTION.—Each Bottle from the STATE SPRINGS bears a neck label with the words "VICHY-ETAT" and the name of the SOLE AGENTS: INGRAM & ROYLE, Ltd., Bangor Wharf, 45 Belvedere Road, LONDON, S.E.

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Profit - - 33 $\frac{1}{3}$ % PROFIT ON COST

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Patriotism It is patriotic, and it is good business to supplant Apenta, Hunyadi and Carlsbad Waters by Cheltenham Natural Aperient Water.

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Make this a Xmas Line.

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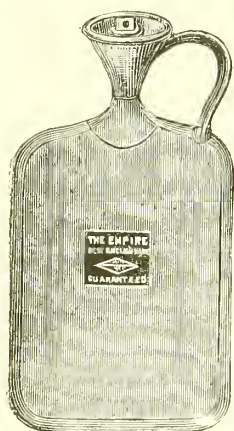
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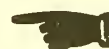
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The "EMPIRE" Brand

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Guaranteed for 2 years.

Top, or side handle	Sizes	6×8		6×10		6×12		8×10		8×12		8×14		10×12		10×14	
		s.	d.	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.
Heavy weight	each	3	0	3	3	3	6	3	9	4	1	4	8	4	11	5	3
Light	"	2	11	3	1	3	4	3	6	3	10	4	3	4	7	4	10
Cockburn's shape	"	3	0	3	3	3	6	3	10	4	2	4	8	4	11	5	3
Covers, scarlet or grey plush	"	0	8	0	8	0	10	0	10	1	0	1	1	1	2	1	4

FIG. 957.—Side Handle.

5% discount allowed for prompt cash off above prices. Carriage paid on Orders of £2 and upwards to any town in the United Kingdom.

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double the selling value of Hot-Water Bottles,

YET

a bottle fitted with Rowe's Patent Stopper costs exactly the same as one fitted with the old-fashioned leaky stopper.

To Show it is to Sell it BECAUSE

"It needs no argument to convince a user that a Bottle fitted with this Stopper is what people want."

The "Chemist and Druggist," 27/2/1915.

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2/3 per doz. net
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24/- per gross net
(for orders of 3 doz.
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Retail price 3d. each.
These fixed prices only
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**Patentees and
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INGRAM'S
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BAND TEAT AND VALVE.

**GRIP TIGHTLY TO THE BOTTLE
AND WILL NOT SLIP OFF.**

**STERILIZABLE BY BOILING.
PERFECTLY HYGIENIC.**

Obtainable of all Wholesale Houses.



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1/9 per doz. net
or
18/9 per gross net
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Retail price 2½d. each.
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J. G. INGRAM & SON, Hackney Wick, LONDON, N.E.

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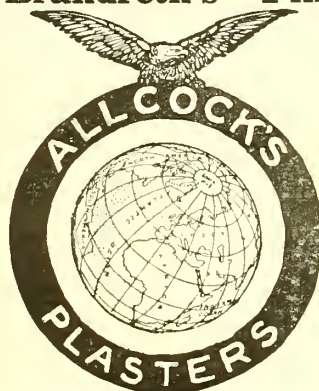
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SULPHURIC ETHER	SUGAR OF MILK
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CARBONATE OF MAGNESIA	LECITHIN ex OVO
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LEAD CARBONATE (WHITE LEAD) chemically pure	MENTHOL
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Tragacanth as imported or finely powdered.**CACHETS "FINOT"**(White or Coloured).
With inscriptions in any desired
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CHEMISTS.
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PYREXIA in its various forms, including Pneumonia, Appendi-
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LONDON AND NEW YORK — MAKERS OF**"K-Y" LUBRICATING JELLY**
IN COLLAPSIBLE TUBES AND OF**Van Horn "Sterile Sutures and Ligatures"**N. G. ASS TUBES — PRICES ON APPLICATION.
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OF ALL KINDS**Cheapest Makers of Co-efficient Acids and Fluids.****HENRY ELLISON, LTD., CLECKHEATON, YORKS****TO WHOLESALE DRUGGISTS
SUPPLYING GOVERNMENT.**Advertiser is prepared to undertake to make
Tablets or Pills, &c., in quantities on terms to
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Tablets" (245/2), c/o The Chemist & Druggist,
42 Cannon Street, London, E.C.**PRECIPITATED CHALK.****Lightest and Whitest, also Purest Dense.**

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Telegrams: "LEVERMORE LONDON." Telephone: 4613 Central.

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DROP BOTTLES

L. H. and T. K. Patterns.

10, 15, 20, 30, 60 and 100 grm.

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WANTED, ENGLISH CHEMISTSto send at once 3/6 postal order and they will receive carriage
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ALL SIZES 2/- per 1000 PLAIN OR
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Carriage Paid on orders of 5000. Write for Samples.
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CHRISTYS, OLD SWAN LANE, E.C.

LOOFAH SOCKS
EACH PAIR IN A BAG AND EVERY
DOZ. IN AN OUTER—
27/- PER GROSS Net } LESS 5 %
Monthly. Cash 7 days
**SALE - GETTING SHOWCARDS
SUPPLIED**
**MADE IN BRITAIN
BY BRITISH LABOUR**
INSIST ON HAVING THE BRITISH-
MADE ARTICLE, AS HITHERTO 90 %
OF THE LOOFAH SOCKS SOLD
HAVE BEEN MADE IN GERMANY
J. MORGAN DAVIS & SONS,
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LOOFAH SOCKS

ROBT. BAILEY & SON,
Clegg Hall Mill,
Telephone: 114 LITTLEBOROUGH. **SMITHY BRIDGE,**
Telegrams: BAILEYS, SMITHY BRIDGE. **LANCS — Eng.**
MANUFACTURERS OF
SURGICAL DRESSINGS
ABSORBENT GAUZE TISSUE,
COTTON WOOL, BANDAGES,
LINT, TOW, &c.
PATENT FOUR-PLY GAUZE.
BRITISH MADE
AND
BRITISH OWNED.
WHOLESALE ONLY. Write for Samples and Prices.
LONDON REPRESENTATIVES:
OGILVY & CO., Telephone: GERBARD 1874.
18 Bloomsbury Sq., W.C. Telegrams: MICROTOME, WESTCOTT, LONDON.

By Royal Warrant to
H.M. The King.



By Royal Warrant to
H.M. The King.

Only
ONE
Address.



Only
ONE
Address.

LARGEST SALE IN THE WORLD.



DAYS' BLACK DRINK

Cures Colic or Gripes in Horses or Cattle, Scour and Weakness in all Young Stock, Blown Cattle and Sheep, Debility, Chills, and Low Condition in all Stock.

Price 1/8 per bottle.

DAYS' HUSKOLEIN.

Almost infallible for Tape Worms in Lambs and other Animals; for Husk or Hoose in Calves, Lambs, &c. A speciality for Worms in Horses and Colts.

6/6 per bottle.

DAYS' "ZOMO-SAL."

For Blood Disorders, Humours, General Weakness, Surfeits, Indigestion, Sterility, &c., in Horses and Beasts. Promotes Growth of Bone. Makes animals "fit" for Show or Sale.

In Canisters at 7/6, 20/-, and 40/-

DAYS' RED DRINK

OR COW DRENCH.

For Costiveness, Loss of Cud, Indigestion, Garget, Colds, Fever, Hidebound, &c., in Cattle. Prepares Cows for Calving, Prevents Milk Fever, and cures Bad Cleansing.

12/- per doz. packets.

The Ewe Drench for Ewes, 3/6 per doz.

DAYS' OILS

(THE PURIFIED DRIFFIELD OILS)

Heal all Wounds in Horses, Cattle, and Sheep, Sore Teats and Swollen Udders in Cows and Ewes. For Anointing in difficult Lambing or Calving.

2/6 and 6/- per bottle.

DAYS' WHITE OILS.

A Safe Embrocation for Sprains, Swellings, Windgalls, Sprung Sinews, Rheumatism, Sore Throat, Weak Joints, &c.

2/6 and 6/- per bottle.



DAY & SONS' "ORIGINAL" MEDICINE CHESTS

Price £1 4s., £2 4s., £5, and £10 10s. ; Carriage Paid.

Arranged for Horses, Cattle and Sheep; Horses only; or to suit any class of stock.

WHEN ORDERING PLEASE STATE REQUIREMENTS.

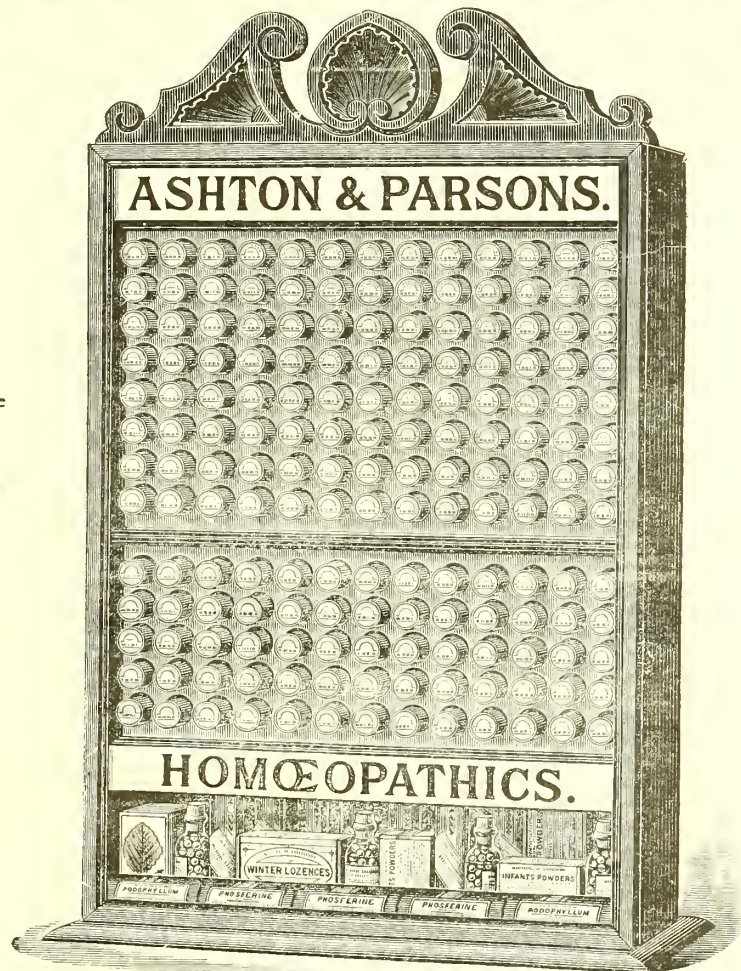
The Chest Illustrated is similar to that at £5 and £2 4s.

Great Specialities.

ONLY GENUINE FROM
DAY & SONS, CREWE, LTD.,
CREWE, ENGLAND.

LIBERAL TERMS FOR FOREIGN BUYERS.

ASHTON & PARSONS' HOMŒOPATHIC SHOWCASE



THE "A. & P." SHOWCASE
PRICE - - 18/-

ASHTON & PARSONS supply their Showcases at actual cost price
No need to purchase a large quantity of unsaleable stock to obtain a
so-called "free" Showcase.

WRITE FOR ILLUSTRATED LIST, POST FREE.

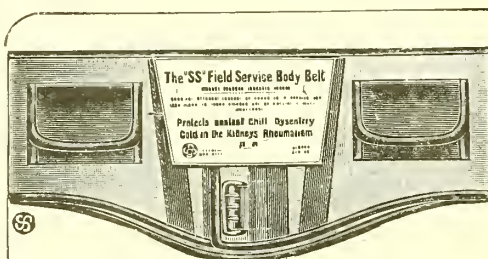
ASHTON & PARSONS, Ltd., Ludgate Hill, LONDON, E.C.

The demand for

BODY BELTS

this season will be enormous, and may possibly exceed the available supplies. Last year was the busiest we ever experienced in Belt business; we earnestly advise intending customers to send in their orders as soon as possible. Here are two of last year's successes.

SIZES 30 to 40 INCHES
FROM END TO END OF MATERIAL.



The S.S. Field Service Body Belt.

Natural Flannel, with invisible Whale-bone side supports to prevent wrinkling or slipping. Leather lined safety pockets for money. In 4 patterns as under.

- | | | | |
|---------|--|-----------|----------|
| No. 8 | - - - - - | each | 1/10 |
| No. 8a. | Without pockets | " | 1/4 |
| No. 9. | Special for officers; finest felt, lined natural flannel, with pockets | - - - - - | each 2/8 |
| No. 9a. | Without pockets | " | 2/2 |



The Winsley Belt

In grey, or pine-felt; made without pockets, which however can be attached for an extra cost of 6d.

- | | | | |
|--------|-------------------------|-------|----------|
| No. 2. | Super | - - - | each 2/0 |
| No. 3. | Light weight | " | 1/5 |
| No. 5. | Bound leather | " | 3/0 |
| No. 6. | Grey, lined flannelette | - - - | each 1/3 |

Scingera

258 Euston Road .. London.

THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, NOVEMBER 20 1915

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers), and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.**

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done.

PROVIDED THE MONEY IS TELEGRAPHED at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London." (Three words counted as two.)

BEST RESULTS EVERY WEEK!

← That is what advertisers in
The Chemist and Druggist
Supplement secure. Not in-
definite returns from spasmodic and inflated
circulation, but regular, steady success—the
best possible in the Drug Trade. It gives

THE PUBLICITY IT PAYS TO PAY FOR.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

- 1.—SOUTH KENSINGTON.—Business of best class for Disposal, giving a net average profit of £400 yearly; situate in one of the best residential districts and capable of increase under personal attention; every investigation allowed; vendor retiring.
- 2.—S.W. MAIN LINE (Few Miles Out).—Retail and Dispensing Business of good class, returning between £1,300 and £1,400, at good prices; moderate rent; held on lease; with house attached; excellent situation in centre of residential locality; valuation terms entertained.
- 3.—LONDON, W.—Good-class Retail and Dispensing Business, situate in busy part; returns now between £1,600 and £1,700, and capable of extension; up-to-date front; very attractive and large stock; roomy house; long lease; rent moderate; valuation terms.
- 4.—PUTNEY (Near).—Good middle-class Retail and Dispensing Business for Disposal through ill-health; returns increase yearly, present rate about £1,800; net profit £350; well-appointed, double-fronted shop; terms, £50 and valuation of stock and fixtures.
- 5.—LONDON, N.—Price £650, or valuation of stock and fixtures and sum for goodwill; a good but neglected business, returning under manager between £1,000 and £1,100; gross profit £437; books audited by accountant and stock taken annually.
- 6.—CITY (Within Easy Distance of).—Ready-money Business, situate in main marketing thoroughfare; corner position; returns between £900 and £1,000; gross profit 50 per cent.; moderate rent; held on lease; roomy shop, fairly fitted and stocked; price £350, or near offer.
- 7.—MIDDLESEX (Nice Locality).—Few miles from town; Family Retail and Dispensing Business, returning between £600 and £700; net profit £200; double-fronted shop, fitted in mahogany, price £475.
- 8.—ACTIVE PARTNER WANTED, with small capital at command, for half-share in old-established Business with Branch; net profit £500; good scope for increasing trade with energy.
- 9.—BRISTOL (Within Easy Distance of).—Unopposed Mixed Retail Business; present hands 17 years; returns between £700 and £800; estimated net profit £200; rent only £21 10s. for single-fronted shop and good 8-roomed house; garden full of fruit trees, also outbuilding; fairly good fixtures and ample working stock; no reasonable offer refused; part payment.
- 10.—HANTS (Health Resort).—High-class Retail and Dispensing Business for Disposal through old age; capital house, which could be sub-let; a young man with energy would soon make a big business.
- 11.—SOUTH WALES (Seaport).—Retail, Dispensing, and Photographic, together with Wine Licence; returns £1,500, at good profits; the shop offers a good nucleus; good residence, with large garden; no reasonable offer refused.
- 12.—SUSSEX.—First-class country connection in good district; returns exceed £800 and net profit £300; comfortable residence, with private entrance and small garden; practically no opposition; rare opportunity; price £750; fullest investigation courted.
- 13.—BERKS.—Good-class unopposed Country Retail and Dispensing Business, returning £747 at full prices; rent £54, sub-let £10; held on long lease; ill-health reason for disposal.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BRETT & CO.

Licensed Valuers,

73 LAUREL ROAD, LEICESTER.

Telegrams, "Brett Leicester."

Telephone 1934.

F. J. BRETT, M.P.S.,

**GIVES PERSONAL ATTENTION TO ALL VALUATIONS.
NO CHARGE TO BUYERS.**

AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

STOCKTAKING SPECIALISTS to the Entire DRUG TRADE.

£1,400 returns.—**YORKSHIRE.**—First-class Retail and Dispensing, in fashionable town; good position; old-established; very sound investment; about £1,100.

£600 returns.—**SURREY.**—Light Retail and Family trade; no N.H.I., but plenty of scope for this; lease; price £275.

£1,180 returns.—**CHESHIRE.**—Good-class Family Retail; many years in same hands; net profit £500; price £500, or nominal goodwill and valuation of stock and fixtures.

£830 returns.—**SURREY.**—General Light Retail, with good opening for either Optics or Dentistry; low rent on long lease; price £400.

£1,400 returns.—**SOUTH YORKS.**—Good-class Retail, in prosperous market town; price £800.

MIDDLESEX.—Exceptionally good Family Retail, showing over £500 net; only cause for sale state of health, and for this reason £775 will be accepted.

**We have cash Buyers for businesses from
£500 to £5,000.**

**Valuations conducted upon the shortest notice
at moderate fees.**

BERDOE & FISH

VALUERS & TRANSFER AGENTS,

35 Jewry Street, Fenchurch Street, City.

Telephone: 1809 CENTRAL.

NO CHARGE TO PURCHASERS.

1.—**HOME COUNTY** (35 Miles Out).—First-class Dispensing and Retail Business in most desirable town; returns £1,200; excellent profits; plenty of scope; good house, etc.; price £700, or £100 and valuation; personally recommended.

2.—**YORKS** (West Riding).—Middle-class Business in large Manufacturing town; returns over £1,000; net profit £350; very low rent; good premises, pleasantly situated; price £650, little more than valuation.

3.—**LINCS** (Market Town).—Light Family Retail Business, with own Specialities; returns about £1,350, increasing; large double-fronted shop, well fitted and stocked; low rent; price £900.

4.—**CHESHIRE** (Border of).—Light Retail, Dispensing, and Agricultural Business in small town; returns about £1,200; net profit £300; double-fronted shop, fully stocked; price £650.

5.—**WILTS.**—Unopposed Light Country Retail, with Mineral Waters; returns £1,200; net profit £500 clear; large house and garden; stock worth £650; price £700.

6.—**NORFOLK.**—Good-class Business, in large town; neglected; returns £800; plenty of scope; corner position; low rent; price £350; £100 can remain; strongly recommended.

7.—**WEST MIDDLESEX.**—Good-class Retail and Dispensing Business; returns over £1,100; net profit £400; fine position; low rent; well fitted and stocked; price £750; worth attention.

8.—**SURREY** (Suburb).—Good-class Light Family Retail, pleasantly situated; returns £1,450; good profits; attractive Pharmacy, fully stocked; price £850, or valuation terms; books properly kept.

9.—**LONDON** (Western Suburb).—Sound Light Retail, with valuable appointment; returns £1,260; net profit £350; good position; excellent stock; price £550, or valuation.

10.—**LONDON, S.W.** (Few Miles Out).—Good middle-class Business, entirely under manager; returns over £700; plenty of scope; good position; well stocked; price £275.

STOCKTAKINGS.

We undertake stocktakings on a very low scale of commission or an agreed fixed fee, and also price out Chemists' own stocktakings. Please apply for our terms.

Businesses Wanted. Buyers Waiting.

PARSON C. BAKER

1 MOUNTFIELD ROAD, CHURCH END, FINCHLEY, N.

50 years' experience in every branch of business.

Recommended by—

BRITISH DRUG HOUSES, LTD.

MEGGESON & CO., LTD.

BARCLAY & SON, LTD.

Tel. No. Finchley 812.

All correspondence should be addressed as above.

And at 174 VICTORIA ST., S.W., Ph.C. Tel. No. Victoria 77.

IN centre of large South Coast winter resort; old-established, well-fitted, double-fronted Pharmacy; Dispensing and Retail; returns £1,700; good prices; 3,000 new scrips; house can be let off if desired; price £150 and valuation.

GOOD thoroughfare, Paddington; old-established Retail and Dispensing; 1,500 new scrips; returns yearly increasing, now considerably over £1,200; good Proprietaries; rent £80, reduced during war to £70; house can be readily let off; price £150 and valuation; vendor anticipates early enrolment.

CORNER site, leading thoroughfare, E.C. district; old-established Cash Retail; returns £1,200; rent £200; four floors, two rooms each, can be let off; shop well fitted and fully stocked; price £500.

HANDSOME Shop in good district, West London; bus route and near underground station; fully stocked and well fitted; returns over £1,000; house let off, three flats, to cover whole of rent, £100; vendor has other engagements and will accept £500, which is less than value of stock and fixtures.

All the above are open to fullest investigation.

THOS. TOMLINSON & SON

**CHEMISTS' VALUERS, TRANSFER AGENTS,
AND EXPERT STOCKTAKERS,**

45a MARKET STREET, MANCHESTER.

ESTABLISHED OVER HALF A CENTURY.

Telegraphic Address: "Tomtom."

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every
10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

EASTERN County.—Good-class Retail Business, with Wines and Spirit Off-Licence, for Disposal on account of ill-health; turnover about £3,400; no N.H.I., Optical, or Photographic; owner would entertain offer of smaller business as part payment. 71/12, Office of this Paper.

LANCS (Popular Seaside Resort).—Exceptional opportunity for acquiring a sound Business at a very moderate figure; handsomely fitted, well stocked; occupies a commanding corner position; turnover £720 (increasing); exceptional profits; easy rent. Apply, 67/30, Office of this Paper.

LONDON, S.W.—Old-established Business, run on modern lines; up-to-date stock, mahogany fixtures, electric light and gas; lease 17 years to run; valuation of stock and fixtures £700; returns for 1914, £1,450; price £500, cash down or by arrangement. Apply, "Nil Desperandum" (40/39), Office of this Paper.

NEAR London.—Well-established good-class Family Retail in lovely residential district; returns nearing £900, increasing; gross profit 40 per cent.; rent £60; excellent house and every convenience; price £500 net cash; genuine offer. 71/11; Office of this Paper.

NORTHERN Inland Health Resort.—A high-class Dispensing and Photographic Business for Disposal; returns about £1,200; best situation in town; handsome modern front by Maw; good reasons for disposal. Particulars, apply, 67/6, Office of this Paper.

SOUTH COAST.—Capital Drug Stores Business for Sale, price £100; splendid position in busy thoroughfare; exceptional opportunity to qualified man; personal test of business invited; nearly 500 customers weekly; stock and fixtures at valuation; under present unqualified manager doing £700. Apply, "S." (62/13), Office of this Paper.

SOUTHPORT.—Genuine Dispensing and Light Retail Business; established 26 years; clean modern stock; good position for development; stock and fixtures at valuation; rent £65. Ball & Feroival, 132 Lord Street, Southport.

FOR Sale as a going concern, at valuation of stock and fixtures; situated in healthy good-class suburb, close to station, S.E. London; good house and garden, low rental; average weekly takings last three years £12 10s., and no N.H.I. work; or would sell stock and fixtures for removal, or the handsome fixtures only. 68/36, Office of this Paper.

GENUINE Cash Business in South Wales colliery district; present net cash returns under management £800; Insurance work extra £250; every investigation offered to bona fide purchaser; average net profits £250; large sale of own preparations, and no Side-lines; price £550, or valuation. "Reliable" (66/27), Office of this Paper.

LARGEST Village in Middlesex, population 5,000; entirely unopposed; lock-up shop at very cheap inclusive rental; very profitable trade, mainly Prescribing; suit qualified or unqualified; present hands 7 years; price £60, or valuation stock and fixtures; a thoroughly genuine bargain; owner cannot give full time. 70/17, Office of this Paper.

PROPRIETOR of old-established Business in country market town, who has been offered a position in His Majesty's Forces, wishes to Dispose of his business; takings last year £1,700. "Country" (69/29), Office of this Paper.

£60 will buy a well-stocked and old-established Drug Business; no opposition; increasing turnover; rent only £18 10s.; low rates; small house over; full price obtained for Patents; gross profits 5 per cent.; only wants seeing; owner ordered immediate change; a bargain to anyone after a genuine little business. 70/16, Office of this Paper.

SALES BY AUCTION.

THE Stock and Fittings of a Chemist.—2,000 bottles Perfumery, Brilliantine, Bay Rum, Toilet Brushes, 1,000 Patent Medicines, Trusses, Dressings, etc., 2,000 tins Washable Disinfectant, 100 dozen tins Disinfectant, 2 Whole-plate Cameras, Photographic Sundries, a large quantity Sponges and Chemist's Sundries, Drugs, etc., Plate-glass Showcases, Counters, and Mirrors. Mr. Frank G. Bowen will Sell by Auction at his rooms, 62a Aldersgate Street, London, E.C., on Tuesday, 23rd November, 1915, at 1. On view day prior. Catalogues of the Auctioneer.

FOR SALE.

CHEMIST'S Stock and Fixtures for Sale; splendid opportunity to secure a bargain; must be sold quickly; valuation about £120; no reasonable offer refused. Apply, E. C. Clarke, 165 Great Jackson Street, Hulme, Manchester.

TOTAL-ADDING and Sales-printing "National" Till for Sale; takes sales up to £2; must sell quickly. Write, "G. C.," 14 York Road, Battersea, S.W.

2 CWT. Hypo, 20s. cwt.; 98 lb. Acid: Tart. Xtal Parv. Ang., at 2s. 9d.; 10 lb. Acid. Salicylic., at 19s.; 50 oz. Quin. Sulph., at 3s. 6d.; 1 lb. Acid. Acetosul., 30s.; 7 lb. Pot. Permang., at 3s. 3d.; 7 lb. Ammon. Bromid., at 18s.; 8 oz. Sulphonal, 20s.; 8 oz. Ammon. Benz., 8s.; 8 oz. Phenacetin at 3s. 9d.; 10 oz. Indigo at 1s. 4d.; whole or part lots. W. Lean, 22 High Street, Burton-on-Trent.

AGENCIES.

CHINA.—British Merchant, with fine connections amongst native Druggists and Doctors, and successfully working his own Proprietary, desires Solo Agency for thoroughly first-class article suitable to this market, to push with his own. Replies to J. H. Richards, 81 Szechuen Road, Shanghai.

ADVERTISER, experienced, with first-class connection, has special facilities for placing new articles of real merit or opening new accounts for established firms; terms arranged to mutual advantage. "S." (64/21), Office of this Paper.

BUSINESSES WANTED.

CHEMIST wishes to Purchase a good-class Cash Business, returning £1,000 to £1,500 per annum; Yorkshire or North Midlands preferred but not essential; with moderate rent and fair profits; neglected business entertained provided there are good opportunities for increase; cash settlement and references given. "Genuine" (70/25), Office of this Paper.

TENDERS.

ESTIMATES wanted for pricing National Insurance Prescriptions, 1916. 66/15, Office of this Paper.

PARTNERSHIPS.

WANTED, a Partner in an old-established Business, with a view to purchase; returns between £30 and £40 a week; has done double, and easily could again, but has been neglected through illness and other causes; some good Proprietaries. Capital required and all particulars on application to "Vera" (70/14), Office of this Paper.

TO LET.

CHEMIST'S Shop to Let in centre of Tylorstown, Rhondda Valley; good business district; large collieries supplying best Admiralty coal; neighbourhood densely populated; safe opening for energetic man; shop recently fitted with up-to-date fixtures and cases for Chemist; two windows with modern fittings. Apply, Mrs. Smith, Brynaethnen, Tylorstown.

CHEMIST'S old-established Business, Shop and house, now to be let through death of late proprietor; most of fittings remain; rent £40; situate 146 Southampton Street, Camberwell, S.E., main thoroughfare to North Peckham. Owner, E. J. Barrett, 70 Southwark Bridge Road, S.E.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

RESULTS
OF ADVERTISING IN THIS SUPPLEMENT
LAST WEEK NOV 13 1915
NATURE OF ADVT REPLIES

UNQUAL. ASSIST?	25
BUSINESS WANTED	16
LADY DISPENSER	11
UNQUAL. ASSIST?	11
QUAL. MANAGER	10

This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

RETAIL.

BEACONSFIELD.—A lady Assistant or ineligible gentleman required for a Dispensing business; outdoors; hours 8.30 to 7.30, alternate evenings to 9; good experience essential. State height, salary required, and send full particulars to Mr. R. W. Brooke Chemist, Beaconsfield.

BERKS.—Wanted, an Assistant, unqualified (ineligible for the Army), in good-class country Retail; Dispensing experience and a knowledge of Photography essential. Apply "Omega" (70/31), Office of this Paper.

BOLTON.—Wanted, qualified Chemist to Manage a Branch; not eligible for military service. Apply, Waller & Riley, Ltd., Bolton.

BRADLEY & BOURDAS, 48 Belgrave Road, S.W., require an Assistant; lady or gentleman. Particulars to Mr. Taylor.

CANTERBURY.—Assistant wanted early in December for good-class Retail and Dispensing; capable and experienced; outdoor berth; married man preferred; easy hours. Apply, with usual particulars, stating salary required, to R. Croft, 1 The Parade, Canterbury.

TABLETS.

An opportunity will shortly occur in a Tablet Works for a practical man who thoroughly understands Coating, Polishing, Granulating and Compression, care of machinery, etc.

Applicants should enclose copies of references, state abilities and remuneration required to

"HEXAMINE" ³⁸/₇₃

c/o The "Chemist & Druggist," 42 Cannon St., E.C.

CESHIRE.—An Assistant, ineligible for Army. All particulars, Wm. Snow & Sons, Birkenhead.

CROYDON.—A Junior Assistant or Part-time Assistant required at once, this vacancy will suit an elderly man requiring light duties. S. Vincent, Chemist, 215 Lower Addiscombe Road, Croydon.

EASTBOURNE.—Assistant required for good-class Retail and Dispensing business; in- or out-doors; lady or gentleman; easy hours; comfortable situation. State age, height, experience, salary required, and enclose photo, to J. Forbes, Pharmacist, Eastbourne.

EXETER.—Junior Assistant wanted for good-class Dispensing and Counter work, also some knowledge of Photography. Apply, stating experience and references, to Wynne Tighe, Chemist, Exeter.

EXMOUTH.—Assistant required for good-class Retail and Dispensing business; moderate hours; comfortable berth. Apply, with usual particulars, to E. J. Challenger, Chemist, Exmouth.

GLAMORGAN, South Wales.—Exceptional opening for energetic and reliable Welshman capable of taking entire management of Branch; must be qualified and about 40 years of age; good salary and a liberal interest in the profits offered to the right man. 70/102, Office of this Paper.

GREAT YARMOUTH.—Lady Dispenser and Bookkeeper, qualified, required in a fortnight for a Doctor's practice. Apply, stating age, salary required (outdoors), and giving references, to Wrigley & Potts, Surgeons, St. George's Gate, Great Yarmouth.

GUILDFORD.—Assistant as Junior, lady or gent, for best-class Retail and Dispensing business; easy hours; outdoors. Jeffries, Chemist, Guildford.

HAMPSHIRE.—Required, early in December, for good-class Retail and Dispensing business in the country, unqualified Assistant, not under 20 (lady or gentleman); Dispensing and good-class trade experience essential; comfortable indoor berth away from business; short hours. James Keeble, Chemist, East Liss, Hants.

HEREFORD COUNTY AND CITY ASYLUM.—Wanted at once, a lady Dispenser, to act also as Medical Clerk. Applications, giving full particulars as to past and present employment and stating if willing to live indoors or outdoors, salary required, and enclosing copies of two recent testimonials, to the Medical Superintendent, County and City Asylum, Hereford.

HORLEY, Surrey.—Assistant required for good-class Light Retail and Dispensing business; easy hours. Apply, with usual particulars, to A. B. Elggs, Pharmacist, Horley, Surrey.

HYTHE, Kent.—Assistant wanted soon; not over 50; outdoors; chiefly for Counter; also lady Assistant; good-class business; easy hours; no Sunday duty. State experience, age, salary required, and references, to H. Barnett, Chemist, Hythe, Kent.

LANLELLY.—Qualified Chemist required; elderly man preferred; light work; permanency if suitable. Apply, with full particulars and salary required, Wade, Chemist, Llanelly.

LONDON Homœopathic Hospital, Great Ormond Street, Bloomsbury, W.C.—Applications are invited for the post of Senior Dispenser (male or female) at this Hospital; salary £120 per annum; candidates must possess the Major qualification of the Pharmaceutical Society and be from 25 to 35 years of age, and have had previous Hospital experience in a large London or provincial General Hospital; an acquaintance with the methods of the British Homœopathic Pharmacopœia is essential. Applications, with copies of not more than three testimonials of recent date, must be delivered to the Secretary on or before the 27th November, 1915. Edward A. Attwood, Secretary.

LONDON.—Comfortable berth with progressive salary for capable unqualified Assistant; high-class business; permanency. "Chemicus" (70/10), Office of this Paper.

LONDON.—Qualified Assistant for West-End Dispensing business. 71/16, Office of this Paper.

LONDON (Suburb).—Competent Assistant, also a Junior; both outdoors; good-class Retail, Dispensing, and Photographic; salary offered an improvement of 5s. per week on last permanent berth. State age, height, experience, salary expected, and when disengaged, 66/12, Office of this Paper.

LONDON, N.—A competent Assistant; in- or out-doors; salary £65 indoors, £104 outdoors; also a Junior, just out of his apprenticeship; salary £35 to £40 (indoors); hours 8.30 to 9.30; usual half-day off weekly. Apply (letter only), stating experience, names of references, and when disengaged, "Pharmacist," 300 Amhurst Road, Stoke Newington, London, N.

LONDON, N.—Lady Dispenser wanted; outdoors; Light Retail and Dispensing business; comfortable situation. State age, experience, salary required, and photo if possible, Starmar, Chemist, North Finchley, N.

LONDON, N.—Wanted, unqualified Assistant for Counter and N.H.I. chiefly; not eligible for Army preferred (from age or otherwise); comfortable berth; state salary required and the usual particulars, and enclose photograph if convenient. Apply, G. Daniel, 630 Holloway Road, N.

LONDON, N.—Assistant for Retail and Dispensing business; one whole day off duty weekly. S. Long, 9 The Broadway, Stamford Hill.

LONDON, N.E.—Wanted, a Junior for N.H. Dispensing; salary £2 2s. a week; also a girl, aged about 20, for packing stock and dusting shop; one who has experience in Drug packing; wages from 15s. to 20s. per week. Apply, Barnard & Son, 309 Hackney Road.

LONDON, N.W.—Assistant required in good-class business; ineligible for Army. Usual particulars to Stevens, Heath Street, Hampstead.

LONDON, N.W.—Assistant wanted for Dispensing business; man or woman (man not eligible for military service); outdoors. Apply, with full particulars, P. Davidson, Fh. Chemist, 342 High Road, Brondesbury, N.W.

LONDON, S.E.—Assistant wanted (outdoors) for quick Cash business; close Thursday 1 o'clock; no Sunday duty; over military age. State experience, and salary required, Brooks' Drug Stores, corner of High Street, Broadway, Deptford.

LONDON, S.W.—Lady Assistant; outdoors; chiefly for Dispensing; must be neat and accurate; hours 8.30 to 8, Saturdays 9.30; Sunday duty, every third, 6 to 8 p.m.; salary 35s. weekly to commence. Apply, E. F. Strickland, 28 The Broadway, Ealing, W. Also Evening Assistant for three evenings weekly.

LONDON, S.W.—Wanted, a good Assistant; Whole- or Part-time; not eligible for Army preferred (from age or otherwise); in- or out-doors. Apply, with full particulars, Watson, 100 Mitcham Road, Tooting, S.W.

LONDON, S.W.—Part-time Assistant required, afternoons and evenings, or evenings only, for Dispensing and Counter Applications from ladies entertained; no duty Sundays or Wednesdays. Apply, Beech, 156 Stockwell Road, S.W.

LONDON, S.W.—Unqualified Assistant wanted, ineligible for the Army; in- or out-doors; lady not objected to. Please apply, with usual particulars, to T. H. Jenkins, Chemist, 145 Lower Richmond Road, Putney, S.W.

LONDON, S.W.—Required, Dispensers, ladies or gentlemen, with good experience; hours of work approximately 8.45 a.m. to 6 p.m.; no Sunday duty. Write, stating salary required and full particulars, to 2,130, Sells' Advertising Offices, Fleet Street, E.C.

LONDON, W.—Chemists' Assistants for Retail Counter; ineligible for the Army; applications considered from ladies with the necessary experience. Apply, Selfridge's, Oxford Street, before 11 a.m. or after 5 p.m.

LONDON.—Wanted, good outdoor unqualified Assistant presently; main road, busy thoroughfare; good salary to suitable man; hours 8.30 to 9; one clear day a week off; 1½ hour for lunch, ¾ hour for tea. Apply, "Counter" (72/22), Office of this Paper.

LONDON, W.—John F. Harrington, 15 Kensington High Street, requires a Junior Assistant. Apply, stating full particulars, together with age, height, and salary required (outdoors), also when disengaged, and enclosing photo (to be returned).

LONDON, W.—Wanted immediately, to pack Proprietaries, keep stock, and assist in shop when required, a young man or young lady. State salary required and previous experience to John Atkins, Chemist, 109 Queen's Road, Bayswater, W.

LONDON, W.—Wholesale and Retail.—Wanted immediately, unqualified Junior Assistant; hours 9 to 6, Saturdays 1 o'clock; no Sunday duty. Apply, personally or by letter, to Hospitals & General Contracts Co., Ltd., 27 Mortimer Street, W.

LONDON, W.—Assistant (Junior); unqualified; must be experienced in Dispensing; ineligible for Army; easy hours. Full particulars of experience, etc., to G. W. Gray, Pharmacist, 194 Holland Park Avenue, W.

MANCHESTER DISTRICT.—Junior Assistant (outdoors) required for good-class Retail and Dispensing business; only military ineligible need apply. Address, usual particulars, with photo (if convenient), to T. & W. Woodruff, Chemists, Cheadle, Ches.

MANCHESTER.—Qualified Assistant; elderly or middle-aged; permanency; easy hours; not single-handed. Full particulars to "Manchester" (72/15), Office of this Paper.

MIDLANDS.—Qualified Manager, age about 40, for progressive Cash business; married man preferred, though not essential; good salary and commission on profits offered. "Midland" (70/101), Office of this Paper.

MIDLANDS.—Unqualified Assistant, age about 40, required for quick Cash business; must be good Counterman and Dispenser. State salary required and when at liberty, 70/103, Office of this Paper.

NEATH.—Assistant wanted soon; unqualified; either sex; elderly capable man or otherwise; outdoors; liberal terms; no after hours nor Sunday duty. J. Griffith Isaac, Pharmacist, Neath.

NORFOLK (Large Town).—Wanted at once, for old-established working-class business, a registered or qualified Assistant; elderly or semi-retired; healthy position; duties light; easy hours; close Sundays, 1 o'clock Thursdays; salary to commence £2 5s.; splendid chance in every way for steady and obliging man. Apply, "Nervoids" (67/7), Office of this Paper.

NOTTINGHAM.—Assistant wanted at once, unqualified, lady or gentleman, for good-class Retail and Dispensing business; outdoors. Apply, giving usual particulars, and enclose photo, to "G. P.," 177 Mansfield Road, Nottingham.

SALE, Near Manchester.—Unqualified Assistant wanted for good-class Dispensing and Photographic; quick, accurate, and obliging. State full particulars and salary required (outdoors) to R. H. Tootill, Pharmaceutical Chemist, Altrincham.

SALISBURY.—Junior Assistant wanted for high-class Dispensing business where two other Assistants are kept. Apply, stating full particulars, with salary required, either in- or outdoors, to Read & Orchard, Market Place, Salisbury.

SHEFFIELD.—Wanted, at once, a qualified Assistant for the Mixed Retail trade in a working-class district; one having had some experience in this class of trade preferred; N.H.I.; permanency; Thursday half-holiday; no Sunday duty; outdoors; references to be sent for strict investigation. Exor. J. Watts, 596 Attercliffe Road, Sheffield.

SOUTH KENSINGTON.—Wanted immediately, Assistant; not liable to military service; must be accustomed to high-class Dispensing business; sleep in, live out; Sunday and evening duty shared by three. Apply, personally or by letter, with photo, etc., to "B. R. W.," c/o Stickland & Co., 23 Cromwell Place, South Kensington.

SOUTH OF ENGLAND.—Assistant required; experienced; permanency, with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

STOKE-ON-TRENT.—Wanted, Junior Assistant, unqualified, to start in December. Apply, Hill, Pharmaceutical Chemist, Stoke-on-Trent.

TUNBRIDGE WELLS.—A competent Assistant for good-class Dispensing business; outdoors. State usual particulars, salary required, and enclose photo to 39/23, Office of this Paper.

WALLINGFORD.—Manager required for about November 28, for small market town; good-class Retail, Dispensing, and Photographic business; must be good Counterman and Prescriber and understand the Agricultural side. Apply, with full particulars as to salary and experience, to Holme, Chemist, Wallingford, Berks. Applicants not answered in three days declined.

WALSALL.—Unqualified Assistant (lady or gentleman). Apply, with full particulars, photograph (to be returned), saying salary required (outdoors), E. M. Elliott, Pharmaceutical Chemist, Walsall.

WESTCLIFF.—Capable Assistant or lady Dispenser; must be accustomed to modern good-class Retail and Dispensing; male applicants must be ineligible for military service; very comfortable berth assured. Send full particulars, first letter, and salary required (indoors), enclosing recent photograph, to Body, "Westwood," Westcliff-on-Sea.

WORCESTER.—Unqualified Assistant wanted for good-class business, either in- or out-doors; one ineligible for Army. Apply, with full particulars and salary required, to George & Welch, Pharmaceutical Chemists, Worcester.

A COMPETENT Assistant wanted last week in December; qualified preferred, but not essential; married or single; first-class experience required; for a high-class Retail and Dispensing business; good salary and permanency for a suitable man. Particulars and references to W. Parry-Jones, Chemist, Barnet.

BOUTALLS, LTD., London, W.C., require qualified man as Branch Manager. Apply, by letter or personally, Boutalls, Ltd., 150 Southampton Row, W.C.

CHEMIST and Dentist, doing all Mechanical work on premises, has vacancy for Assistant. Please state full particulars, age, experience, where obtained, ability in Pharmacy and Dentistry (if any), if married what family, class of business used to, salary required, when disengaged, references, photo, Foster, Ivydale, London Road, Portsmouth.

COMPETENT unqualified all-round Assistant required for Drug department of a London store; must be suited for service; good salary; short hours. Apply, "Pharmacist," Palmer's Stores, Ltd., King Street, Hammersmith.

DISPENSER wanted, lady preferred, for N.I. Dispensing, etc., in Country Pharmacy. State qualification (if any), salary required (outdoors), experience, etc., to 72/33, Office of this Paper.

LADIES, gentlemen (military ineligible); good salaries; qualified or unqualified Dispensers or Assistants. Apply, stating age, experience, references, salary required, to 35/61, Office of this Paper.

LADY Assistant, experienced at Counter work and Dispensing; salary 30s. per week; vacancy in Yorkshire (West Riding). "West" (70/104), Office of this Paper.

LADY Assistant for Toilet and Fancy goods, Window-dressing, etc. Age, experience, references, and salary required to Bishop & Vincent, 460 Holloway Road, N.

MANAGER wanted for Branch; qualified; married; to live on premises. State full particulars as to age, height, experience, salary required, and if possible enclose photo, to George & Welch, Pharmaceutical Chemists, Worcester.

MAWSON & PROCTOR, Newcastle-upon-Tyne, have vacancy for qualified Junior Assistant.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist as Manager; easy hours; good and progressive salary, with excellent prospects.

QUALIFIED Chemist for Manchester district wanted at once; easy work, suitable to elderly gentleman. Apply, "Combs," c/o John Quilliam & Co., Ltd., Canterbury Works, Manchester.

QUALIFIED lady Pharmacist wanted for the period of the war, or for at least six months, at a London Children's Hospital with about 100 beds; attendance required all day, except Sundays; applicants should state age, qualifications, past experience, and salary desired. Applications, with not more than three testimonials (copies only), to "Hospital Pharmacist," c/o Street's, 30 Cornhill, E.C.

QUALIFIED Assistant at once, to Manage Light Retail; man over military age not objected to if active. State salary and references, "Cefax" (71/5), Office of this Paper.

QUALIFIED Assistants.—Wanted, as soon as possible, two qualified or registered Assistants as Managers of Branches in small market towns; also one unqualified Assistant; permanencies promised to suitable men. Apply, stating age, qualification, salary required, and references, to Ralph Ling, Chemist, Cromer.

QUALIFIED Assistant (outdoors) for high-class establishment; good Dispensing experience essential. Full particulars to "X. Y. Z.," c/o S. Maw, Son & Sons, 7/12 Aldersgate Street, E.C.

SAVORY & MOORE require immediately two qualified Dispensers, Minor qualifications (men or women). Apply, by letter or personally; 143 New Bond Street, London.

SECOND Assistant wanted in a good-class business; opportunity for gaining all-round experience; hours easy; comfortable berth and good salary. Apply, with photo if possible, T. L. Micholls, Pharmacist, Chelmsford.

SQUIRE & SONS, LTD., require immediately two or three qualified Dispensers (male or female). Apply personally or by letter, stating experience and salary required, 413 Oxford Street, London, W.

UNQUALIFIED Assistant wanted, with knowledge of Dispensing and Photography; good Counterman and Salesman essential. Apply, with fullest particulars, to Parke's Drug Stores, Ltd., 65 Harwood Street, N.W.

UNQUALIFIED Assistant required at once for high-class Dispensing business; no Insurance work; permanency; outdoors; must have had experience in good-class work; good salary offered to suitable applicant. 69/38, Office of this Paper.

URGENT for carrying on National Insurance and dependents' Dispensing, a reliable, good all-round Assistant (lady or gentleman); two kept; comfortable berth; or active Partner would be entertained. State age, experience, salary (in- or outdoors), and references, Bevan & Son, Pharmacists, Harwich, Essex.

WANTED, Dispenser, male; ineligible for military service. Dr. Phillips, Hednesford, Staffs.

WANTED, Dispenser and Surgery Attendant by Medical Practitioner on Panel; S.E. London, few minutes from London Bridge; every afternoon free. Apply, Dr. Davies, 22 Wolsey Street, Dockhead, Bermondsey.

WANTED, unqualified Assistant for Mixed Country business; short hours; no Sunday duty; ineligible for military service; age or sex of little importance if capable, active, and willing. Apply, with usual particulars, to S. C. Thompson, Eresby, Cambridge Road, Ely, Cambs.

WANTED, a qualified Assistant for small Lancashire Manufacturing town; to live out; good Counterman and Window-dresser; used to Insurance dispensing; must be steady and obliging. State age and salary required, 70/39, Office of this Paper.

YOUTH from 16 to 18 wanted at once, to assist at Counter and Stock; Chemist's son who desires further experience preferred; no Panel work; hours light, with recreation daily; outdoors; good salary. Address, Chas. Rundle, 220 High Street, Walthamstow, London, N.E.

WHOLESALE.

LONDON, S.W.—Stock-room Assistants wanted; used to Wet and Dry Counters. Write, stating experience and salary required, to 2,129, Sells' Advertising Offices, Fleet Street, E.C.

CHEMIST wanted, with manufacturing knowledge of Organic Chemicals, Hydroxy Acids, etc.; splendid opportunity for capable and energetic man; on Government work; applicants must state experience and salary required. Applications treated in strict confidence, 38/60, Office of this Paper.

COUNTER hands (Wet and Dry) wanted by London Druggists engaged on Government work; good wages and permanency. State particulars to "X." (70/70), Office of this Paper.

COUNTERMEN, experienced Wets and Dries; also Despatch Clerks; good wages and permanency for suitable men. Apply, Evans Sons Lescher & Webb, Ltd., 60 Bartholomew Close.

DRUG Assistants, State age, salary required, and experience. Avron, Saunders & Co., Ltd., Wholesale Druggists, 34 Hanover Street, Liverpool.

DRUGGISTS (Wholesale)—Laboratory hand (Junior), manufacturing department, wanted; also Counter hand. Apply at Apothecaries' Hall, Water Lane, E.C.

DRY Counterman required; permanency. Mention age, experience, and all usual particulars, Timothy White Co., Ltd., Portsmouth.

ESSENCES and Essential Oils.—Experienced Buyer and Salesman wanted, capable of taking entire charge; good prospects. Send fullest details to 40/13, Office of this Paper.

EXPERIENCED girls required for a leading house of Wholesale Druggists in the City; good wages and a permanency to suitable girls. 39/10, Office of this Paper.

INVOICE Clerk wanted for Wholesale Department; hours 8.30 to 6, Saturdays 8.30 to 1; also Assistant; hours 8 to 6, Saturdays 8 to 1. State age, present and past situations, references, and salary, Reade Bros. & Co., Ltd., Wolverhampton.

JUNIOR Clerk, with knowledge of Bookkeeping and, if possible, Shipping work routine; lady Clerk might suit. Apply, by letter, H. E. Stevenson & Co., 122 Great Suffolk Street, S.E.

LABORATORY Assistant required; one accustomed to the examination of Foods containing sugar preferred. Apply, stating experience, age, and salary required, 37/4, Office of this Paper.

LADY Clerks, age about 20, required by City Wholesale house; a knowledge of the trade desirable, but good and quick writing essential. Full particulars and salary required to 37/69, Office of this Paper.

MINOR—Required immediately, by a Wholesale firm of Manufacturing Chemists, young male and female Pharmacists; Minor qualification. In applying give age, experience, salary required, when disengaged, and enclose photograph (to be returned), 40/32, Office of this Paper.

PACKER (competent) wanted at once; good wages; also Laboratory Assistant; accustomed to making Pharmaceutical Preparations, etc. 72/40, Office of this Paper.

PHARMACEUTICAL Chemist required for Testing Drugs and Laboratory Preparations, and for Experimental work. Mention age, salary desired, and customary information, Timothy White Co., Ltd., Portsmouth.

QUALIFIED Assistant wanted for Scotland; duration of war; ineligible; Wholesale and Retail business; short hours; no Sunday work. Apply, 68/25, Office of this Paper.

SMART youth required for Ledger department of Wholesale Druggists in city. Apply, giving full particulars and wages required, to 40/380, Office of this Paper.

TABLET Room—Wanted, an experienced man accustomed to Coating, Granulating, and Tablet-making. Address, stating age, experience, and wages required, to "Borax" (40/14), Office of this Paper.

THOROUGHLY competent Invoice Clerk with good knowledge of Costs required; liberal salary and progressive post; fullest particulars to "B. B." c/o Street's, Cornhill, E.C.

TYPIST required; used to copying orders. Apply, giving full particulars and wages required, to 40/38, Office of this Paper.

WANTED, an Assistant Chemist for Cement-testing; candidates eligible for military service or employed on Government work will not be considered; pay 7s. per day. Apply, by letter, stating age, etc., to Box No. 456, c/o Street's, 3 Serle Street, London, W.C.

WAREHOUSEMAN required by Druggists' Wholesale, London; accustomed to despatch of orders; good wages and permanency. State all particulars to "Z." (70/7), Office of this Paper.

WAREHOUSEMAN required for Export department of a large Wholesale Druggist; preference given to a man not of military age. Apply, giving full particulars and wages required, to "Export" (40/40), Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for 50 words or less; **6d.** for every 10 words or less beyond, prepaid. The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

RIVIERA—Qualified Assistant required, speaking French. Apply, in first instance, H. A. Green, S. Maw, Son & Sons, 7/12 Aldersgate Street, London, E.C.

SITUATIONS WANTED.

1s. for 12 words or less; **6d.** for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

[HOME.] RETAIL.

A BELGIAN Chemist, who has been several months Dispenser in a good-class Pharmacy in England, is seeking another post; good references as to character and ability; married. Apply to "W." c/o Banks Morwen, Crantock Street, Newquay, Cornwall.

A N unqualified man (over military age), of useful all-round experience, wants permanent berth where good steady services would be appreciated; 31 years present employer; tactful Counterman; London or suburbs preferred. Address, 67/31, Office of this Paper.

ASSISTANT; unqualified; disengaged; shortly; Midlands preferred; Extractor, Dispensing, and N.H.I.; town and country experience. "Bismuth" (66/35), Office of this Paper.

ASSISTANT or Manager; qualified; middle-aged; experienced. Wyatt, 45 Beech Road, Luton.

ASSISTANT (Student-Associate), Army rejectee, requires situation immediately; Counter, Window-dressing. Write, stating salary, hours, etc., Fisher, 22 St. Fillan's Road, Catford, S.E.

ASSISTANT; smart, tall; abstainer; 35; Photography, Counter; A1 references. Scott, 153 Addison Way, Golders Green.

ASSISTANT; unqualified; capable of sole charge; thoroughly experienced and reliable; permanency; married, no family; good references. "H.," 40 Boscombe Road, Tooting Junction, S.W.

ASSISTANT (29), married, unqualified, desires permanency; disengaged 27th. G. A. Voizey, 9 Jameson Street, Notting Hill Gate, London, W.

ASSISTANT (lady, Hall certificate) desires post with Chemist; Southampton district preferred; thoroughly experienced, Dispensing, Counter, Photography. Apply, "H.," 47 Buckingham Road, Brighton.

ASSISTANT, reliable, experienced in all branches of Dispensing, accustomed to entire charge (27), married, ineligible, requires 24 hours off daily, or finish at 6 p.m. (Saturdays excepted). "Rhamni," 35 Halidon Street, Hackney, N.E.

ASSISTANT; 25; sound experience; technical training; disengaged soon; London, West End preferred. 72/17, Office of this Paper.

BRANCH registered Prescriber, Extractor; at liberty; good testimonials. Address, "B.," 236 Battersea Park Road.

CHEMIST-OPTICIAN requires Managership; 35; married; good and varied experience. "H. G.," 6 Lynton Avenue, West Ealing.

CROYDON.—Lady, trained (unqualified), desires work with Dispenser; evenings. 69/16, Office of this Paper.

DISPENSER (lady); 8 years' experience; free 2 to 4 daily five days week; S.E. London. State terms, 70/21, Office of this Paper.

ELDERLY (60), with appearance of 50, unregistered, at present managing business doing £1,500 a year, seeks easier position, preferably small country business; exceptional Counter-man and Prescriber; not afraid of work; 40 years' excellent experience and undeniable references; small salary (50s. if with house and gas). "Janies," 20 Gloucester Place, Brighton.

ELDERLY; glad to Dispense for Doctor during war time. "Medical," 11 Marchmont Street, W.C.

EVENING Dispensing; experienced; good references. "Beta," 28 Park Grove, Portway, West Ham.

EVENING Work wanted: Insurance qualification. "Dispenser," 115 Scott-Ellis Gardens, St. John's Wood.

EVENING Dispensing or Relief, two or three nights. "Norman-hurst," Hyton Road, Hounslow.

FYLDE Coast or Preston.—New Year; Part-time; unqualified; incompetent; experienced; 28; ineligible Army; nominal salary; excellent references. 66/32, Office of this Paper.

JUNIOR Assistant; 21; London experience; Photography; ineligible. "Paul," 15 Monk's Road, Exeter.

LADY, with three months' training, wishes position as Assistant Dispenser, Hospital or Doctor, with time for further study. 66/37, Office of this Paper.

LADY Dispenser (young), Hall qualification, desires post with Doctor in London or suburbs; experienced in Panel work and Bookkeeping. Apply, 68/39, Office of this Paper.

LADY, unqualified, desires post as Assistant to Dispenser, with opportunity to qualify, Hull (re-examination). Miss A., 134 Eastbourne Road, Darlington.

LOCUM work undertaken; elderly. Hepworth, Royland Road, Loughborough.

MANAGER or Assistant; unqualified; married; Dispensing, Window-dressing, Photography; highest references; free. 67/12, Office of this Paper.

MANAGER; qualified; elderly; active; experienced; permanency desired. "Permanent," 4 St. Mary's Street, Broad Street, Wolverhampton.

MANAGER wants situation; up-to-date trading; experienced Buyer; used to controlling staff; Major qualification. Write, "Chemist," 116 Spring Street, Bury, Lancashire.

MANAGER (Branch); 35; abstainer; married; qualified; 20 years' experience; first-class and Store experience; near South-West Coast preferred. "Reliable" (70/19), Office of this Paper.

MANAGER; qualified; age 43; experienced in every branch of the trade; good references. "N.," 25 Mayflower Road, Clapham.

MR. HANBURY FRANCIS, Pharmacist, Clifton, Bristol, desires to find employment in Pharmacy for young Belgian (27), speaking fair English; ineligible for military service.

PART-TIME Assistant; evening work; N.H.I. "H. M.," c/o Y.M.C.A., Tottenham Court Road, N.W.

PHARMACIST (27), ineligible military service, experienced, London, West End, City, suburban, South Coast, Italian Riviera, etc., seeks permanency in high-class Pharmacy; free December 6. C. Trump, 43 Cranbrook Road, Redland, Bristol.

QUALIFIED, experienced Branch Manager; disengaged: ineligible for Army; position of responsibility desired where a man of energy and ability would be appreciated; good salary required; excellent references. Please state terms to Stansfield, 22 Sherwood Street, Fallowfield, Manchester.

QUALIFIED; 43; single; £3 week. "Statim," 1 Robinson's Place, Woodbrook, Oldham.

QUALIFIED desires re-engagement as Manager or Dispenser in London; outdoors. "Aspirin," 7 Barrow Road, Streatham Common.

QUALIFIED; 25; 10 years' experience; ineligible; London; outdoors. Stephens, 41 The Grove, Camberwell, S.E.

QUALIFIED; 29; Senior or Manager; good experience; ineligible for the Army; disengaged. Williams, 19 Morley Square, Bristol.

QUALIFIED; experienced; 34; temporary or otherwise; disengaged. "S. W.," 36 Lisbon Street, Leeds.

QUALIFIED; 21; 5 ft. 10 in.; ineligible for Army; used to good-class business; excellent references; Bath or Bristol district preferred; moderate hours essential; interview arranged. 72/30, Office of this Paper.

TWO lady Dispensers (qualified) seek temporary employment together; if Hospital, Medical Mission, etc., in London, voluntary. Miss Grohmann, 20 Woodland Gardens, Muswell Hill.

UNQUALIFIED; all-round experience; permanency; country preferred; abstainer. Henderson, Main Street, Keswick.

YOUNG lady, 6 years' Counter experience, 3 years' Dispensing, passed Apothecaries' Hall, desires position with good-class Chemist or Doctor. "E 3" (67/10), Office of this Paper.

LADY requires private tuition in treatment of Hair, Scalp, and allied Skin Diseases (theoretical and practical). "B. C.," (70/40), Office of this Paper.

WHOLESALE.

CHEMIST; 38; Laboratory and General Manager; control large staff and output; free December 1. Please state salary offered, "Balsam" (69/24), Office of this Paper.

CLASS 38; qualified; languages; well up in Therapeutics and experienced in propaganda; London or district. 73/2, Office of this Paper.

PERFUMER (Manufacturing), with many years' practical experience in the manufacture of Perfumery and Toilet Articles, desires situation in England or abroad; can supply recipes; good references. 72/19, Office of this Paper.

QUALIFIED Chemist (40), disengaged half-day one week and day and half following week, is open to take up one or two commissions in London and district. Apply, "Confidential" (70/4), Office of this Paper.

REPRESENTATIVE for good Wholesale house; 30; ineligible for military service; disengaged; connection; references. Apply, "Rhei" (71/2), Office of this Paper.

TRAVELLER requires re-engagement; qualified Chemist with thorough experience of Drug and allied trades and of road; good selling record, and references. "Disengaged" (70/27), Office of this Paper.

YOUNG, energetic firm, Manchester district, open to accept Commissions, Specialities or Sundries; good connection. "C. B." (71/200), Office of this Paper.

MISCELLANEOUS.

SECOND-HAND Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

BEST cash price paid for all old Cameras, any make, also all old Photo goods, no matter how damaged; any kind you may have send them along; cash will be sent same day; no waiting; we buy all and return nothing. S. E. Hackett, 23 July Road, Liverpool, E.

SHOPFITTINGS.—12-ft. Mahogany Plate-glass Serving Counter; 10-ft. Drug Fitting with Glass Labels and Knobs; 6-ft. Dispensing Screen and Counter; Desk and Perfume Case; 4-ft. Bent Counter Case; Mahogany Wall Case; £39 10s.; sketches on application. Philip Josephs & Sons, Ltd., 93 Old Street, London, E.C.

CHEMIST'S Fittings.—Second hand; large stock of high-class Drug Fittings, Piano Wall Cases, Dispensing Screens and Counters, Glass Counters, Counter Cases, Perfumery Cases and Desks, Counter Drawers; absolute bargains; cheapest house for Window Enlosures, Mirrors, Glass Shelves, Modern Shopfronts, Improvements, etc.; plans prepared; estimates free. Mills' Shopfront, Shopfitting, and Glass Facia Works, 163-165 Old Street, London, E.C. Phone, London Wall 550.

ABOUT the CHRISTMAS TRADE.—Suggest your goods as sensible for "Xmas Presents" by means of gaily coloured "Xmas Present" Tickets and Posters, and secure a rich harvest of increased business; illustrated list No. 245, in colours, showing over 100 most attractive designs, free for asking. Dudley's, Ticket Specialists, Holloway, London.

McQUEEN'S A.B.C. System of Accounts; works out profit and loss account, balance sheet, etc., with guaranteed certainty; gives exactly what Surveyors of Taxes want, and is a remedy for over-assessment; practically automatic Bookkeeping; 12th edition. Particulars and testimonials free. McQueen & Co., Mont Road West, Leicester.

10 CWT. B.P. Olive-oil Soap; bone dry; what offers? 67/28, Office of this Paper.

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